

**SITE ASSESSMENT REPORT  
FOR  
THE MERIDIAN AUTOMOTIVE SYSTEMS SITE  
JACKSON, JACKSON COUNTY, OHIO**

**NPL STATUS: NON-NPL**

Prepared for:

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
Emergency Response Branch  
Region V  
25089 Center Ridge Road  
Westlake, Ohio 44145

Prepared by:

**WESTON SOLUTIONS, INC.**  
6779 Engle Road  
Suites I & J  
Middleburg Heights, Ohio 44130

Date Prepared	November 19, 2009
TDD Number	S05-0001-0910-021
Document Control Number	813-2A-AFED
Contract Number	EP-S5-06-04
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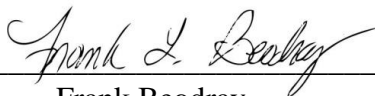
Prepared by:



Ryan Green  
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Date: 11/16/2009

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Approved by:



Frank Beodray  
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Date: 11/16/2009

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## LIST OF ABBREVIATIONS AND ACRONYMS

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AST	Aboveground storage tank
CFR	<i>Code of Federal Regulations</i>
DHWM	Division of Hazardous Waste Management
ERB	Emergency Response Branch
FSP	Field sampling plan
MAS	Meridian Automotive Systems
MSDS	Material Safety Data Sheet
mg/kg	Milligram per kilogram
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
OAC	Ohio Administrative Code
OEPA	Ohio Environmental Protection Agency
OSC	On-Scene Coordinator
PCB	Polychlorinated biphenyl
PID	Photoionization detector
PPE	Personal protective equipment
ppm	Part per million
SEDO	Southeast District Office
SMC	Sheet molding compound
START	Superfund Technical Assessment and Response Team
SU	Standard unit
TCLP	Toxicity characteristic leaching procedure
TDD	Technical Direction Document
U.S. EPA	United States Environmental Protection Agency
VOC	Volatile organic compound
WESTON	Weston Solutions, Inc.

# 1. INTRODUCTION

The United States Environmental Protection Agency (U.S. EPA) Region V Emergency Response Branch (ERB) tasked the Weston Solutions, Inc. (WESTON<sup>®</sup>), Superfund Technical Assessment and Response Team (START) to assist in performing a site assessment at the former Meridian Automotive Services Site in Jackson, Jackson County, Ohio (the Site). Under Technical Direction Document (TDD) No. S05-0001-0910-021, U.S. EPA instructed WESTON START to inventory abandoned containers; collect samples of wastes in tanks, drums, sub-floor pits, and small containers for laboratory analysis; and document and characterize any potential Site-related threats to human health, human welfare, or the environment. WESTON START personnel mobilized to the Site and conducted the site assessment tasks on October 28 and 29, 2009, under the direction of On-Scene Coordinator (OSC) Lori Muller.

This site assessment report is organized into the following sections:

- **Introduction** – Provides a brief description of the objective and scope of site assessment activities;
- **Site Background** – Details the Site description and history;
- **Site Assessment Activities** – Discusses the methods and procedures used during the site assessment;
- **Analytical Results** – Discusses analytical results for samples collected during the site assessment; and
- **Threats to Human Health and the Environment** – Identifies conditions at the Site that warrant a removal action under the National Oil and Hazardous Substances Pollution Contingency Plan (NCP).

## **2. SITE BACKGROUND**

This section discusses the Site description and history.

### **2.1 SITE DESCRIPTION**

The Site is located in a mixed residential, agrarian, commercial, and industrial area at 1020 East Main Street in Jackson, Jackson County, Ohio (Appendix A, Figure 1). The Site coordinates are 39.033964 degrees North latitude and 82.622629 degrees West longitude. On-site structures consist of one large production building occupying approximately 300,000 square feet and several unattached chemical and waste storage buildings and tank farms. The Site property is enclosed by a chain-link fence with padlocked gates.

According to the City of Jackson Mayor's Office, the following are located within 1 mile of the Site: 3,365 homes, 4 schools, 1 community college, 3 nursing homes, 2 retirement communities, and 1 hospital. The current population of Jackson, Ohio, is approximately 6,200.

### **2.2 SITE HISTORY**

Meridian Automotive Systems, Inc. (MAS), formerly used the Site to manufacture and paint fiberglass autobody panels, truck panels, and other parts. MAS also produced a sheet resin material known as "sheet molding compound" (SMC). SMC was a fiberglass-reinforced thermosetting compound manufactured by dispensing mixed resin, maturation agent, fillers, catalyst, and mold-release agent onto sheets of polyethylene film. MAS leased the Site structures from a non-profit organization that currently owns the Site property.

MAS ceased all manufacturing operations at the Site in 2007, after which most hydraulic presses and other production equipment were removed from the production building. The Ohio Environmental Protection Agency (OEPA) Southeast District Office (SEDO) Division of Hazardous Waste Management (DHWM) ordered MAS to begin removal activities in 2007 in compliance with the

Cessation of Regulated Operations requirements in Ohio Administrative Code (OAC), Chapter 3745-352. However, removal activities had not completed before MAS declared bankruptcy in 2009 and abandoned the Site.

Recent Site activities have included metal scrapping operations and occasional vandalism and thievery. On August 23, 2009, a small fire was started near the former press line in the on-site production building from metal scrapping operations using an acetylene torch. The local fire department extinguished the fire. During the response, the local acting Fire Chief found the production building's sprinkler system to be non-functional and observed large volumes of flammable hydraulic oil waste staged in open sub-floor pits. In addition, electrical wiring inside the production building had been compromised by unauthorized scrapping of copper wire and electrical components, resulting in electrical shock hazards from exposed wiring. The local acting Fire Chief ordered that the scrapping contractor could conduct no further work inside the production building and notified OEPA SEDO of the fire hazards and wastes observed at the Site. After the fire, the City of Jackson stationed personnel at the Site for round-the-clock fire-watch duty.

OEPA SEDO inspected the Site from August 24 through 26, 2009, and documented large quantities of abandoned manufacturing wastes, including the following:

- Used oil wastes in six hydraulic press pits totaling an estimated 8,000 to 10,000 gallons;
- Drums containing styrene monomer, flammable liquids, and corrosives, and unlabeled drums with unknown contents;
- Universal waste fluorescent lamps;
- One cardboard box labeled "PCB Ballast";
- Numerous small containers and aerosol cans, including pesticides and laboratory chemicals;
- An instrument containing a radioactive source (americium 241 and beryllium) formerly used to evaluate the thickness and density of fiberglass material; and
- Multiple aboveground storage tanks (AST) with unknown quantities of fuel oil, hydraulic oil, used oil, propane, and resins.

On September 8, 2009, OEPA SEDO requested the assistance of the U.S. EPA Region V ERB in performing a removal site assessment at the Site. In late September and early October 2009, U.S. EPA Region V coordinated with the Ohio Department of Health to remove the radioactive source from the Site for proper disposal.

### **3. SITE ASSESSMENT TASKS**

The site assessment tasks were requested by the OSC to evaluate potential Site-related threats to human health, human welfare, and the environment. Site assessment tasks included an initial site reconnaissance (Section 3.1); a comprehensive inventory of sub-floor pits and containers (Section 3.2); and sample collection (Section 3.3). Section 5 discusses observations relevant to potential threats to human health and the environment.

#### **3.1 SITE RECONNAISSANCE**

On October 22, 2009, OSC Lori Muller and WESTON START member Ryan Green met with OEPA SEDO DHWM Manager David Chenault and District Representative John Rochotte. During the site reconnaissance, the inspection team obtained a former Site layout that shows the production building's former manufacturing areas and storm water and sanitary sewer lines beneath the building (Appendix A, Figure 2). WESTON START collected air monitoring readings using a MultiRAE Plus five-gas monitor with a photoionization detector (PID) calibrated to 100 parts per million (ppm) isobutylene, and screened the production building interior using a Ludlum Model 19 Micro-R gamma radiation detector, and collected written and photographic documentation of Site conditions. Air monitoring readings collected by WESTON START remained at background levels within the production building except for a maximum reading of 7.8 ppm total volatile organic compounds (VOC) near a styrene monomer drum in the SMC Mix Room (Room 18). No readings recorded with the gamma radiation detector exceeded background levels.

Observations made during the site reconnaissance included the following:

- 12 sub-floor pits containing oily liquid wastes;
- Missing railings around at least 15 sub-floor pits;
- Numerous uncontrolled wastes in drums and small containers;
- Unlabelled drums containing unknown materials;

- Exposed electrical wiring throughout the production building;
- Spilled oily liquids on the floor in the former press line area;
- An oil sheen and oil-contaminated soil in the containment ponds and ditch at the south side of the Site;
- 14 ASTs with unknown contents or volumes; and,
- Water-filled secondary containment around the former resin and fuel oil ASTs.

Observations from the site reconnaissance were used to develop the sample collection strategy and targeted analyses documented in the site-specific field sampling plan (FSP) prepared by WESTON START on October 27, 2009, and approved by the OSC on October 29, 2009.

### **3.2 SUB-FLOOR PIT AND CONTAINER INVENTORY**

On November 28, 2009, the OSC and WESTON START members Ryan Green and TJ McFarland mobilized to the Site to begin site assessment activities requested by the OSC. On November 28 and 29, 2009, WESTON START members completed a comprehensive inventory of sub-floor pits and abandoned containers in the main production building, external storage buildings, and surrounding Site grounds within the perimeter fencing. Numbers were assigned to each area or room within the production building and to each external storage building on the property to track locations. A total of 41 rooms within the production building and 9 external storage buildings were designated with unique identification numbers (Appendix A, Figure 3). Two former offices and the former dispensary within the production building were locked and inaccessible. The former peroxide storage building and yard gang building on the north side of the Site also were locked and inaccessible during the site assessment. The contents of the locked rooms and storage buildings were not evaluated as part of this site assessment.

The 26 sub-floor pits along the former press line and in the former freightliner assembly area were measured and designated P001 through P026. Measurements of the dimensions of each sub-floor pit were used to calculate the volume of wastes and estimate the amount of backfill material required for

proper abandonment of the pits. Table 1 in Appendix B summarizes the dimensions, volume of waste, and total empty volume of each sub-floor pit, and Appendix C provides photographic documentation of the pits. A total of 26 sub-floor pits containing an estimated total of 18,203 gallons of oil and water wastes were documented at the Site (Appendix B, Table 1). The empty, dry volume of the sub-floor pits would require an estimated 836 cubic yards of backfill material for proper abandonment.

In addition, each tank and drum was assigned a unique identification, and photographed (Appendix C). Small containers were counted and labeling information was logged, but individual identification numbers were not assigned to small containers. Tables 2, 3, and 4 in Appendix B provide the tank, drum, and small container inventories. Photos of each tank, drum, and sub-floor pit referenced in the inventory are provided in the Site photo log in Appendix C.

A total of 66 drums containing an estimated total of 1,886 gallons of abandoned products and waste were documented at the Site (Appendix B, Table 2).

A total of 45 tanks containing an estimated total of 807 gallons of abandoned product and waste were documented at the Site (Appendix B, Table 3). WESTON START members were unable to confirm the contents or volume of wastes in some of the ASTs observed at the Site, including three former fuel oil tanks at the east side of the Site and eight tanks marked "hydraulic oil" and "used oil" in Room 40. The containment ponds and ditch at the south side of the property also contain unknown volumes of oil-contaminated water and soil. Tanks T030 and T032 at the south side of the property were determined to contain less than 7 inches of thick resin product in each, and tank T031 was empty.

A total of 504 small containers were documented at the site (Appendix B, Table 4). Some of the small containers were labeled flammable, corrosive, or poison, and one small container in the Number 5 Paint System in Room 35 was labeled "Organic Peroxide Trigonex-C, UN 3101." One cardboard box in Room 17 was marked "PCB ballast" in permanent marker.

### 3.3 SAMPLE COLLECTION

On October 29, 2009, WESTON START members collected 12 investigative samples and 2 duplicate samples from sub-floor pits, tanks, drums, and small containers. The table below summarizes the sample identification numbers, matrices, source containers, and requested analyses.

Sample ID No.	Matrix Description	Container Sampled	Requested Analyses
MAS-P001-L-01	Clear liquid with oily sheen	Sub-floor pit P001 in Room 2	TCLP VOCs, TCLP metals, PCBs
MAS-P004-L-01	Clear liquid with oily sheen	Sub-floor pit P004 in Room 3	TCLP VOCs, TCLP metals, PCBs
MAS-P007-L-01	Brown oily liquid	Sub-floor pit P007 in Room 3	TCLP VOCs, TCLP metals, PCBs
MAS-P009-L-01	Brown oily liquid	Sub-floor pit P009 in Room 3	TCLP VOCs, TCLP metals, PCBs
MAS-P012-L-01	Reddish-brown oily liquid	Sub-floor pit P012 in Room 3	TCLP VOCs, TCLP metals, PCBs
MAS-P012-L-01-D	Reddish-brown oily liquid	Sub-floor pit P012 in Room 3	TCLP VOCs, TCLP metals, PCB
MAS-T004-L-01	Resinous translucent liquid	Tank T004 in Room 18	TCLP VOCs, Flashpoint
MAS-T020-S-01	White crystal solids with clear liquid	Tank T020 in Room 31	TCLP VOCs, pH
MAS-D036-L-01-MS	Brown oily liquid	Drum D036 in Room 3	TCLP VOCs, TCLP metals, PCBs
MAS-D041-L-01	Clear liquid	Drum D041 in Room 18	TCLP VOCs, Flashpoint
MAS-D047-L-01	Resinous green liquid	Drum D047 in Room 38	TCLP VOCs, Flashpoint
MAS-D050-S-01-MS	White powder solids	Drum D050 in Room 38	TCLP VOCs, pH
MAS-S001-S-01	White powder solids	Small container S001 in Room 9	TCLP VOCs, pH
MAS-S001-S-01-D	White powder solids	Small container S001 in Room 9	TCLP VOCs, pH

**Notes:**

ID = Identification

PCB = Polychlorinated biphenyl

TCLP = Toxicity characteristic leaching procedure

VOC = Volatile organic compound

Sample collection of liquids from open-top pits was conducted in Level D personal protective equipment (PPE). Sample collection of liquids from labeled drums and solids from open-top drums

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was conducted in Level C PPE. WESTON START performed continuous air monitoring in the breathing zone during sampling activities using a MultiRAE Plus. Air monitoring readings remained at background levels in the breathing zone during the collection of sample material from all sub-floor pits, tank T020, small container S001, and drums D036, D047, and D050. Sustained air monitoring readings recorded during the collection of sample material from D041 ranged from 0.0 to 78 ppm in the breathing zone and from 35 to 155 ppm near the open bung hole. Two momentary peak readings ranging from 1,800 to 2,200 ppm were recorded near the open bung during the collection of sample material from D041. After the collection of sample material from D041, the external filter was replaced on the MultiRAE Plus and the unit was given sufficient time to reach background level. Sustained air monitoring readings recorded during the collection of sample material from T004 ranged from 0.0 to 90 ppm in the breathing zone. Headspace readings were not collected at the top of T004 using the MultiRAE Plus in order to avoid saturation of the external filter.

WESTON START members attempted to collect samples of resinous liquids from tanks T030 and T032. However, the viscous consistency and low volume of material within the tanks prevented the collection of sufficient sample volume.

After the completion of sampling activities, the sample containers were wiped with paper towels, labeled, and packaged in coolers with ice. All samples were delivered under chain of custody to a courier of the designated laboratory, EA Group in Mentor, Ohio, on October 30, 2009.

## 4. ANALYTICAL RESULTS

EA Group in Mentor, Ohio, performed the necessary extractions and analyses with a 5-day turnaround time. EA Group electronically transmitted the analytical data package to WESTON START on November 9, 2009, and a WESTON START chemist validated the results. Tables 5 through 8 in Appendix B summarize the validated analytical results. Appendix D provides a copy of the validated laboratory report. The results are briefly discussed below.

### 4.1 IGNITABILITY AND CORROSIVITY RESULTS

A solid waste, as defined in Title 40 of the *Code of Federal Regulations* (CFR) Part 261.2, which is not excluded from regulation as a hazardous waste under 40 CFR 261.4(b) is classified a hazardous waste if it exhibits any of the characteristics of ignitability (40 CFR 261.21), corrosivity (40 CFR 261.22), reactivity (40 CFR 261.23), or toxicity (40 CFR 261.24).

According to 40 CFR 261.21(a)(1), a solid waste exhibits the characteristic of ignitability if a representative sample of the waste is a liquid other than an aqueous solution containing less than 24 percent alcohol by volume and has flash point of less than 140 °F. Liquid waste samples MAS-D041-L-01, MAS-D047-L-01, and MAS-T004-L-01 were analyzed for flashpoint using U.S. EPA Method SW846-1010M/D93. Analytical results for all three samples were less than or equal to 92 °F (Appendix B, Tables 6 and 7). Therefore, all three samples meet the criterion for classification as hazardous waste by virtue of the characteristics of ignitability. In addition, the flashpoint of less than 70 °F reported by the laboratory for sampled liquid waste from Drum D047 (labeled as Pliogrip 9115 Adhesive) did not correlate with the flashpoint of less than 200.1 °F reported by the product manufacturer in the material data safety sheet (MSDS) for Pliogrip 9115 Adhesive, which was obtained from the Ashland Chemical, Inc., website ([www.Ashland.com](http://www.Ashland.com)).

According to 40 CFR 261.22 (a)(1), a solid waste exhibits the characteristic of corrosivity if a representative sample of the waste is aqueous and has a pH less than or equal to 2 or greater than or

equal to 12.5 standard units (SU). Samples MAS-D050-S-01-MS, MAS-T020-S-01, MAS-S001-S-01, and MAS-S001-S-01-D contained unknown solids analyzed for corrosivity using U.S. EPA Method SW846-9045C. Using this method, the solid waste sample is mixed with reagent-grade water and the pH of the aqueous solution is measured. Analytical results for all four samples were greater than 2 and less than 12.5 SUs (Appendix D, Tables 6 through 8). Therefore, none of the samples meet the criterion for classification as hazardous waste by virtue of the characteristics of corrosivity.

## **4.2 TCLP METALS RESULTS**

Samples MAS-P001-L-01, MAS-P004-L-01, MAS-P007-L-01, MAS-P009-L-01, MAS-P012-L-01, MAS-P012-L-01-D, and MAS-D036-L-01-MS were analyzed for toxicity characteristic leaching procedure (TCLP) metals using U.S. EPA Methods SW846-6010A and SW846-7470A. No concentrations exceeded the reporting limit in these samples.

## **4.3 PCB RESULTS**

Samples MAS-P001-L-01, MAS-P004-L-01, MAS-P007-L-01, MAS-P009-L-01, MAS-P012-L-01, MAS-P012-L-01-D, and MAS-D036-L-01-MS were analyzed for polychlorinated biphenyls (PCB) using U.S. EPA Method SW846-3510. No concentrations exceeded the reporting limit in these samples.

## **4.4 TCLP VOC AND TOTAL VOC RESULTS**

TCLP VOC analysis was requested for all 14 samples submitted to the laboratory. However, some of the sample matrices contained too much oil to be extracted for TCLP VOC analysis according to the laboratory. Samples containing viscous oil were analyzed instead for total VOCs. The table below summarizes the type of VOC analysis for each sample.

Sample ID No.	VOC Analysis
MAS-P001-L-01	TCLP VOCs
MAS-P004-L-01	TCLP VOCs
MAS-D050-S-01-MS	TCLP VOCs
MAS-T004-L-01	TCLP VOCs
MAS-T020-S-01	TCLP VOCs
MAS-S001-S-01	TCLP VOCs
MAS-S001-S-01-DP	TCLP VOCs
MAS-P007-L-01	Total VOCs
MAS-P009-L-01	Total VOCs
MAS-P012-L-01	Total VOCs
MAS-P012-L-01-D	Total VOCs
MAS-D036-L-01-MS	Total VOCs
MAS-D041-L-01	Total VOCs
MAS-D047-L-01	Total VOCs

**Notes:**

ID = Identification

TCLP = Toxicity characteristic leaching procedure

VOC = Volatile organic compound

All TCLP VOC sample results were reported at less than or equal to the reporting limits (undetected). Total VOC results for sample MAS-P009-L-01 were also less than or equal to the reporting limits (undetected).

Styrene was detected in three liquid samples MAS-D036-L-01-MS, MAS-D041-L-01, and MAS-D047-L-01 analyzed for Total VOCs. Styrene monomer formerly was used to manufacture SMC in Rooms 18 and 20 of the production building. Drum D041 was labeled as “Styrene Monomer 50T,” and the styrene sample result of 170,000 mg/kg confirms this labeling. Drum D047 in Room 38 was labeled as “Pliogrip 9115 Adhesive,” and the styrene sample result was 170 mg/kg styrene. Styrene is not among the constituents of Pliogrip 9115 as reported in the MSDS obtained from the Ashland Chemical, Inc., website ([www.Ashland.com](http://www.Ashland.com)). This VOC result, combined with the lack of correlation between the laboratory-reported flashpoint for the sample from D047 and the manufacturer-reported flashpoint of Pliogrip 9115 Adhesive discussed in Section 4.1 suggests that the contents of D047 may have been altered, added to, or replaced. Drum D036 was unlabeled with

an open top and contained oil waste reportedly removed from former press line equipment or sub-floor pits.

Styrene was also detected in two liquid samples collected from sub-floor pit P012, MAS-P012-L-01 and MAS-P012-L-01-D, analyzed for Total VOCs. The sample results for styrene were 2.7 mg/kg and 510 mg/kg, respectively. The difference between sample results may be attributed to the presence of two-or-more oily liquids that appeared to be immiscible, or emulsified, due to the swirling blooms of alternately colored dark brown and light brown oil that were observed when the surface was disturbed by the sample collection container. The sample material was decanted from the pole-mounted sample collection container into two 9-ounce glass jars, which may have separated the immiscible layers. Also, the sample collection container was dipped twice into the liquid within the pit to obtain sufficient volume. The VOC concentrations of samples collected from P012 may have differed due to all or some of the above circumstances.

Other VOC analytes detected above the reporting limits included ethylbenzene in the oil sample collected from P007 at a concentration of 1.6 mg/kg and in the oil sample collected from D036 at a concentration of 34 mg/kg; chloromethane in the oil sample collected from P012 at a concentration of 9.8 mg/kg and in the liquid sample collected from D041 at 2,400 mg/kg; and 1,2,4-trimethylbenzene in the oil sample collected from P012 at a concentration of 4.2 mg/kg.

## 5. THREATS TO HUMAN HEALTH AND THE ENVIRONMENT

Factors to be considered in determining the appropriateness of a potential removal action at a site are delineated in the NCP at 40 CFR 300.415(b)(2). A summary of the factors applicable to the Site are presented below.

- **Actual or potential exposure of nearby human populations, animals, or the food chain to hazardous substances or pollutants or contaminants**

Signs of animals, vandals, and thieves were observed within the production building. Several doors to the production building had been removed, and any humans or animals that bypass the perimeter fencing can freely enter the unlit production building and unlocked storage buildings. During the site reconnaissance on October 22, 2009, a live raccoon was observed trapped within sub-floor pit P002 in Room 2. During the site assessment on October 29, 2009, animal remains of a suspected opossum were observed in sub-floor pit P006. In addition, an insurance agency has informed U.S. EPA that an investigation is still underway regarding a pipe fitter contractor who was severely injured after falling into sub-floor pit P002 while attempting to repair the sprinkler system in the production building. Many of the sub-floor pits are difficult to see in the unlit production building.

During the site assessment activities, the following wastes and conditions were observed at the Site:

- 12 sub-floor pits containing an estimated total of 18,203 gallons of combustible oil wastes;
- 66 drums containing an estimated total of 1,886 gallons of abandoned products and wastes;
- 45 tanks containing an estimated total of 807 gallons of abandoned product and wastes;
- 504 small containers including corrosives, flammables, poison, laboratory containers, one cardboard box labeled "PCB ballast," and one container labeled "Organic Peroxide Trigonex-C, UN 3101";
- Missing railings around at least 15 sub-floor pits;
- Exposed electrical wiring throughout the production building;
- Spilled oily liquids on the floor along the former press line area; and
- Water-filled secondary containment around the former resin and fuel oil ASTs.

Analytical results from samples collected in conjunction with this site assessment identified ignitable hazardous wastes as characterized in 40 CFR 261.21(a)(1) within two closed-top drums and one open-top tank. Flashpoint results ranged from less than 70 to 92 °F. Elevated concentrations of styrene also were detected in liquids within open-top sub-floor pits and closed- and open-top drums and tanks. The maximum styrene concentration was 170,000 mg/kg. Air monitoring readings at the open bung of one of these drums ranged up to 2,200 ppm PID units for total VOCs. A locked peroxide storage building is also located at the northwest side of the Site, and the contents of this building were not evaluated during the site assessment.

According to the City of Jackson Mayor's Office, the following are located within 1 mile of the Site: 3,365 homes, 4 schools, 3 nursing homes, 2 retirement communities, and 1 hospital.

Additional unauthorized scrapping activities, vandalism, or thievery at the Site could result in an accidental or intentional release of hazardous materials. The close proximity of residences and other vulnerable populations to the Site would greatly increase the likelihood of human health and environmental impacts if a release occurs.

- **Actual or potential contamination of drinking water supplies or sensitive ecosystems**

The hydraulic oil tank farm in Room 40 contains eight tanks ranging in capacity from approximately 3,000 to 6,000 gallons each, with no secondary containment. Secondary containment structures around the resin tank farm at the south side of the Site and the fuel oil tank farm at the east side of the Site are partially filled with water and would not completely contain a release.

Waste oil has been observed outside the production building in the unlined containment ponds and ditch on the south side of the Site. OEPA believes that the oil was released onto the ground surface from scrapped hydraulic equipment and then gravity-drained into the containment ditch. The oil skimming system that formerly removed oil sheen from the containment ponds is outdated and not operational. The containment ponds and ditch discharge directly into a storm water ditch that flows east to the edge of the Site property. Salt Lick Creek is located approximately 0.4 mile east of the Site.

According to a layout map obtained during the site reconnaissance, numerous storm water drains and sanitary sewer lines are located under the production building. These drains and lines exit on the north, south, and east sides of the production building. At least one storm water drain discharges to the storm water ditch at the east side of the Site.

The sanitary sewer lines discharge to the on-site former wastewater treatment pits at the north side of the Site.

- **Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers that may pose a threat of release**

During site assessment, numerous sub-floor pits, tanks, drums, and small containers were observed throughout the production and storage buildings. Many of the containers were uncovered and in poor condition. Further deterioration of these containers may permit hazardous substances to migrate to the environment. Some of the containers were labeled as hazardous materials (corrosive, flammable, poison, "PCB ballast," "Organic Peroxide Trigonex-C, UN 3101," and hazardous waste). Sample collection in conjunction with this site assessment confirmed the presence of ignitable hazardous wastes as characterized in 40 CFR 261.21(a)(1) as well as elevated concentrations of styrene and other VOCs in liquids within pits, tanks, and drums. Additional unauthorized scrapping activities, vandalism, or thievery at the Site could result in an accidental or intentional release of hazardous materials.

- **Threat of fire or explosion**

Scrapping activities with an acetylene torch resulted in a fire within the production building on August 22, 2009. The fire occurred next to the former press line, where an estimated total of 18,203 gallons of uncontrolled combustible oil waste is staged in 12 open-top sub-floor pits. The electrical wiring within the production building has been compromised by unauthorized scrapping or vandalism and may pose electrical shock and fire hazards from the abundant exposed wiring. The electrical mains have been deactivated because of the poor state of the wiring within the production building.

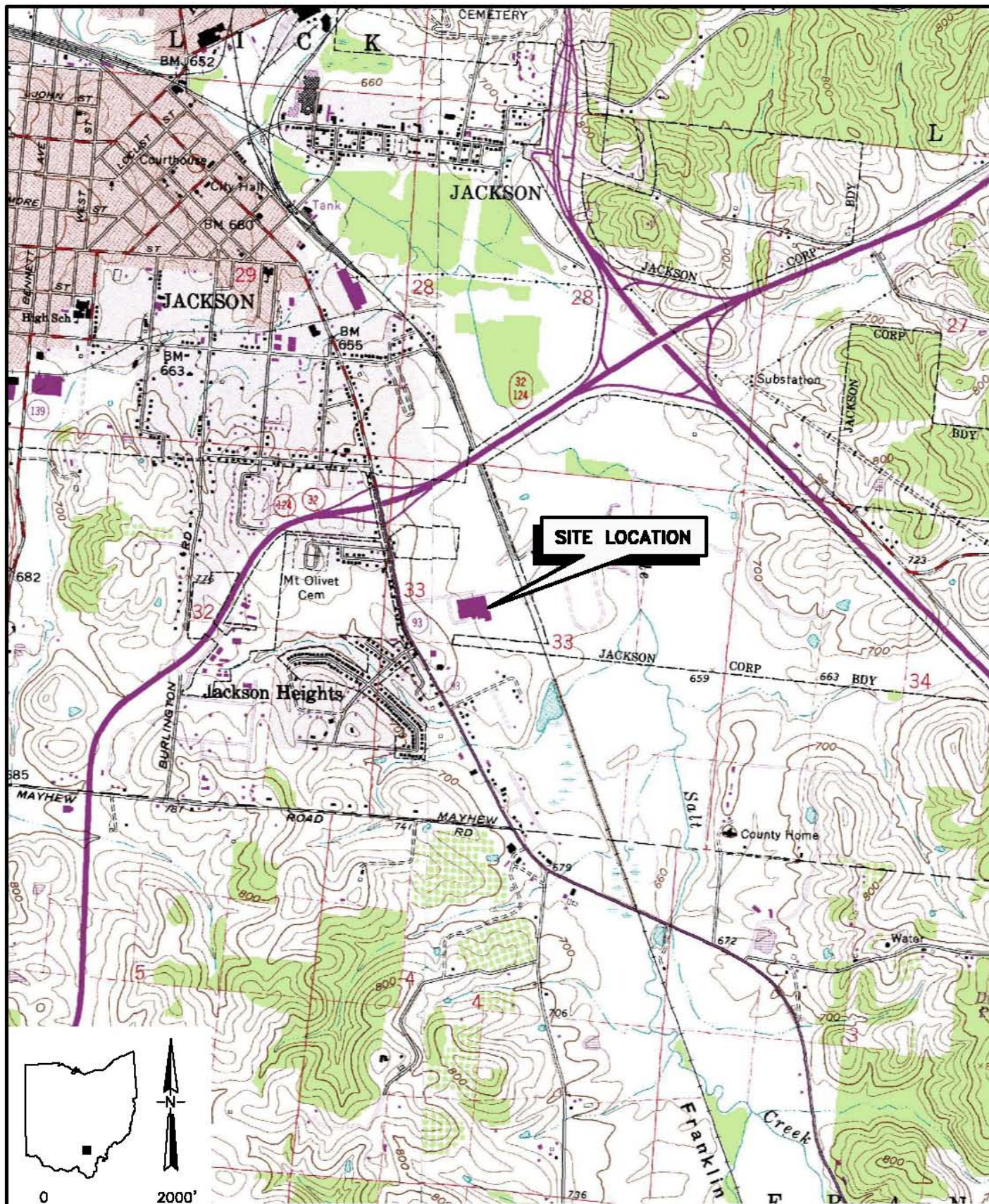
The fire protection sprinkler system in the production building reportedly was disassembled during the extraction of large hydraulic presses from the former press line and currently is inoperable. The local acting Fire Chief has declared that fire fighters will not be permitted to enter the building in the event of another fire, due to the large quantities of combustible oil and drummed waste in the production building. The City of Jackson has stationed personnel at the Site for round-the-clock fire-watch duty because of the imminent threat of fire at the Site and because drummed wastes staged at the Site could be ignited in the event of a fire.

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## **APPENDIX A**

### **FIGURES**

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SOURCE: U.S. GEOLOGICAL SURVEY 7.5 MINUTE TOPOGRAPHIC MAPS OF JACKSON AND WELLSTON, OHIO, QUADRANGLES.

Figure 1



Prepared for:  
U.S. EPA. REGION V  
Contract No: EP-S5-06-04  
TDD NO: S05-0001-0910-021  
DCN: 813-2A-AFED



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#### Site Location Map

Meridian Automotive Systems Site Assessment Report

Jackson, Ohio





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**APPENDIX B**

**CONTAINER INVENTORY TABLES AND VALIDATED ANALYTICAL  
RESULTS SUMMARY TABLES**

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**Table 1**  
**Sub-Floor Pit Inventory**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

ID No.	Location	Length (ft)	Width (ft)	Depth (ft)	Sub-pits	Total Dry Volume (yd <sup>3</sup> )	Liquid Waste Volume (gallons)	Contents	Container Type	Sample No.	Photograph No.	Additional Information
P001	Room 1	12.7	16.2	9		139.2	1,031	Oil on water	Sub-floor Pit	MAS-P001-L-01	1	
P002	Room 2	22	12.4	7	1	66.7	0		Sub-floor Pit		2	Two ledges 22 x 2 .5 x 2 ft; raccoon
P003	Room 2	22.8	12.8	7.3	4	114.6	374	Oil liquid	Sub-floor Pit		3	Four 6 x 6 x 6.7 ft sub-pits; oil liquid
P004	Room 3	12	16	14.5	2	115.4	711	Oil liquid	Sub-floor Pit	MAS-P004-L-01	4	Press 10
P005	Room 3	12.6	8.2	2.9		11	541	Oil liquid	Sub-floor Pit		5	Press 11
P006	Room 3	12.3	8.3	4.5		17	0	Empty	Sub-floor Pit		6 and 7	Opossum remains
P007	Room 3	12.5	8.2	2		7.6	192	Oil liquid	Sub-floor Pit	MAS-P007-L-01	8	
P008	Room 3	12.5	8.2	1.7		6.5	0	Empty	Sub-floor Pit		9	
P009	Room 3	10.7	6.7	1.7		4.5	594	Oil liquid	Sub-floor Pit	MAS-P009-L-01	10	
P010	Room 3	10.4	6.9	1.7		4.5	376	Oil liquid	Sub-floor Pit		11	
P011	Room 3	10.1	5.1	1		1.9	95	Oil liquid	Sub-floor Pit		12	
P012	Room 3	16	11	4		26	3,291	Oil liquid; 10 yd <sup>3</sup> of sand on bottom	Sub-floor Pit	MAS-P012-L-01	13	Duplicate sample MAS-P012-L- 01-DP also collected
P013	Room 3	37.3	5	0.4		2.7	558	Oil liquid	Sub-floor Pit		14	
P014	Room 3	10.1	5.1	1		1.9	97	Oil liquid	Sub-floor Pit		15	
P015	Room 3	18.3	12	6.7		54.5	10,345	Oil liquid	Sub-floor Pit		16	
P016	Room 17	26.7	11.2	2.5		27.7	0	Empty	Sub-floor Pit			Partially filled with concrete
P017	Room 17	11	11.2	3		13.7	0	Empty	Sub-floor Pit			Partially filled with concrete
P018	Room 17	32	11	2.7		35.2	0	Empty	Sub-floor Pit			Partially filled with concrete
P019	Room 17	31	11	2.6		32.8	0	Empty	Sub-floor Pit			Partially filled with concrete
P020	Room 17	30	11	2.4		29.3	0	Empty	Sub-floor Pit			Partially filled with concrete
P021	Room 17	40	15.5	1		23	0	Empty	Sub-floor Pit			Partially filled with concrete
P022	Room 17	30	11.3	2.3		28.9	0	Empty	Sub-floor Pit			Partially filled with concrete
P023	Room 17	36.4	16.5	1.2		26.7	0	Empty	Sub-floor Pit			Partially filled with concrete
P024	Room 17	27	11	2.2		24.2	0	Empty	Sub-floor Pit			Partially filled with concrete
P025	Room 17	14.5	17	1.5		13.7	0	Empty	Sub-floor Pit			Partially filled with concrete
P026	Room 17	11	11	1.5		6.7	0	Empty	Sub-floor Pit			Partially filled with concrete

**Notes:**  
ft = Foot  
ID = Identification  
yd<sup>3</sup> = Cubic yard

**Table 2**  
**Drum Inventory**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

ID No.	Location	Size (gallons)	% Full	Container Type	Top	Condition	Labeling	Manufacturer	Sample No.	Photograph No.	Additional Information
D001	Room 5	55	0	Steel drum	Closed	Good	None	Dayton Industrial Drum, Inc.		17	
D002	Room 5	55	0	Steel drum	Closed	Fair	Diesel Fuel			18	
D003	Room 2	55	100	Steel drum	Closed	Good	None			19	OEPA 4; oily exterior
D004	Room 2	55	100	Steel drum	Closed	Good	None			20	OEPA 4; oily exterior
D005	Room 2	55	100	Steel drum	Closed	Good	None			20	OEPA 4; oily exterior
D006	Room 2	55	100	Steel drum	Closed	Good	None			20	OEPA 4; oily exterior
D007	Room 2	55	100	Steel drum	Closed	Good	None			21	OEPA 4; oily exterior
D008	Room 2	55	100	Steel drum	Closed	Good	None			21	OEPA 4; oily exterior
D009	Room 2	55	100	Steel drum	Closed	Good	None			21	OEPA 4; oily exterior
D010	Room 2	55	100	Steel drum	Closed	Good	None			22	
D011	Room 2	55	0	Steel drum	Open	Fair	None			22	
D012	Room 2	55	20	Steel drum	Open	Good	None			23, 24	
D013	Room 6	55	100	Steel drum	Closed	Fair	Pliogrip 9100 Adhesive	Ashland Chemical		25, 26	
D014	Room 6	55	100	Steel drum	Open	Poor	Hazardous Waste and Flammable labels			27	OEPA 6; markings state "Place bad IMC Pumps in Barrel and Flush"
D015	Room 6	55	0	Steel drum	Open	Fair	Tellus Oil 32	Shell Oil		28	OEPA 6
D016	Room 6	55	0	Steel drum	Closed	Fair	Tellus Oil 32	Shell Oil		29	OEPA 6
D017	Room 6	55	20	Steel drum	Open	Fair	None			30, 31	OEPA 6; used aerosol cans
D018	Room 6	55	0	Poly drum	Closed	Fair	Frequency 64 Neutral Disinfectant	Ramsey		32	OEPA 6; on cart
D019	Room 6	55	100	Steel drum	Closed	Fair	None			33	OEPA 6; hand pump installed in top
D020	Room 9	55	100	Poly drum	Closed	Fair	Nalsperse 7308 Dispersant			37	Health = 2, Flammability = 1
D021	Room 9	55	0	Steel drum	Closed	Fair	XL700 Reciprocating Compressor Lubricant	Ingersoll-Rand		38	
D022	Room 9	55	100	Poly drum	Closed	Fair	Caustic Soda 50% liquid, Corrosive			39	
D023	Room 9	25	100	Poly drum	Closed	Fair	Nacool Dispersant	Nalco		40	
D024	Room 9	55	100	Poly drum	Closed	Poor	...Industrial Solvent			40	Label damaged, partially unreadable
D025	Room 9	35	20	Steel drum	Closed	Fair	Breakthrough, Combustible label	Inland Technology, Inc.		41	
D026	Room 9	25	100	Poly drum	Closed	Fair	Nexguard 22352	Nalco		42	Health hazard = 3
D027	Room 9	25	100	Poly drum	Closed	Fair	7330, Corrosive label	Nalco		42	
D028	Room 9	55	5	Poly drum	Closed	Poor	Spectrus NX108	Betz-Dearborn, Inc.		43	Health hazard = 3
D029	Room 9	25	100	Poly drum	Closed	Fair	3D Trasar 3DT288	Nalco		45	
D030	Room 9	55	80	Poly drum	Closed	Fair	Limsol Water Scale Solvent			46	Odor
D031	Room 12	55	100	Steel drum	Open	Good	Endura Air Tool Oil	Interlube Corporation		47	
D032	Room 13	55	50	Steel drum	Open	Poor	Hazardous Waste and Flammable labels			51	OEPA 19; used aerosol cans
D033	Room 3	55	50	Steel drum	Open	Good	Styrene Monomer 50T			54, 55	OEPA 18; liquid oil waste, blue drum
D034	Room 3	55	0	Steel drum	Open	Poor	Pliogrip 9100 Adhesive	Ashland Chemical		56, 57	Drum inside waste container
D035	Room 3	55	100	Steel drum	Closed	Good	None			58	OEPA 17
D036	Room 3	55	50	Steel drum	Open	Good	None		MAS-D036-L-01- MS	58, 59	OEPA 17

**Table 2**  
**Drum Inventory**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

ID No.	Location	Size (gallons)	% Full	Container Type	Top	Condition	Labeling	Manufacturer	Sample No.	Photograph No.	Additional Information
D037	Room 3	35	3	Steel drum	Open	Fair	None			61, 62	Liquid oil waste, red drum
D038	Room 17	55	100	Steel drum	Closed	Poor	"DGE" marking			60	OEPA 2, green drum
D039	Room 18	55	100	Steel drum	Open	Good	Styrene Monomer 50T			63	OEPA 16; in SMC mix room; solidified product in bung
D040	Room 18	35	80	Fiber drum	Open	Poor	VR3	Ashland Chemical		63, 64, 65, 66	White powder, Health = 1, Flammability = 1
D041	Room 18	55	70	Steel drum	Closed	Good	Styrene Monomer 50T		MAS-D041-L-01	67	OEPA 16; in SMC mix room
D042	Room 20	55	100	Steel drum	Closed	Fair	Petroleum distillate 70%, Paraffin oil 30%			76	Hand pump installed in top
D043	Room 17	55	50	Steel drum	Open	Fair	Hazardous Waste and Flammable labels			83, 84	OEPA 15; Used aerosol cans, trash, liquid oil waste
D044	Room 17	55	25	Steel drum	Open	Fair	Pliogrip 9100 Adhesive	Ashland Chemical		88	
D045	Room 38	55	0	Steel drum	Open	Fair	Styrene Monomer, Flammable label	Hycar Reactive Liquid Monomers		90	OEPA 10
D046	Room 38	55	100	Steel drum	Closed	Poor	Pliogrip 9100 Adhesive	Ashland Chemical		91	OEPA 10
D047	Room 38	55	100	Steel drum	Closed	Poor	Pliogrip 9115 Adhesive	Ashland Chemical	MAS-D047-L-01	92	OEPA 10
D048	Room 38	55	20	Steel drum	Closed	Poor	Pliogrip 9115 Adhesive	Ashland Chemical		93	OEPA 10
D049	Room 38	55	0	Steel drum	Closed	Poor	Pliogrip 9100 Adhesive	Ashland Chemical		94	OEPA 10
D050	Room 38	55	100	Steel drum	Open	Fair	None		MAS-D050-S-01-MS	95	OEPA 11; white powder
D051	Area N	55	50	Steel drum	Closed	Poor	"Kerosene" marking			96	OEPA 12; adjacent to Room 39
D052	Room 39	55	0	Steel drum	Open	Poor	None			97	OEPA 12; drum inside poly rinse tub
D053	Room 39	55	0	Steel drum	Open	Poor	Pliogrip 9100 Adhesive	Ashland Chemical		98	OEPA 12
D054	Area N	55	0	Steel drum	Open	Poor	"Do not drink" marking			99	
D055	Room 40	55	0	Poly drum	Closed	Poor	Ecosorb odor management			112	
D056	Room 40	55	0	Poly drum	Open	Poor	None			113	
D057	Room 41	55	10	Poly drum	Open	Poor	None			114	OEPA 23
D058	Room 41	55	0	Steel drum	Closed	Fair	Pliogrip 9115 Adhesive	Ashland Chemical		115	OEPA 23; mounted on rack, connected to D059
D059	Room 41	55	100	Steel drum	Closed	Fair	Pliogrip 9115 Adhesive	Ashland Chemical		115	OEPA 23; mounted on rack, connected to D058
D060	Room 41	55	100	Steel drum	Closed	Fair	Pliogrip 9100 Adhesive	Ashland Chemical		116	OEPA 23; mounted on rack, connected to D061
D061	Room 41	55	100	Steel drum	Closed	Fair	Pliogrip 9100 Adhesive	Ashland Chemical		116	OEPA 23; mounted on rack, connected to D060
D062	Room 41	55	10	Steel drum	Open	Poor	None			117	OEPA 23; white solid
D063	Area S	55	20	Steel drum	Open	Poor	None			118	Liquid oil waste, from collection pond, in poly overpack
D064	Area S	55	25	Steel drum	Open	Poor	None			119	Liquid oil waste, from collection pond, in poly overpack
D065	Area S	55	100	Steel drum	Open	Poor	None			120	Liquid oil waste, from collection pond, in poly overpack
D066	Area S	55	25	Steel drum	Open	Poor	Combustible label			122	OEPA 9

**Notes:** ID = Identification Poly = Polyethylene OEPA = Ohio Environmental Protection Agency

**Table 3**  
**Tank Inventory**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

ID No.	Location	Size (gallons)	% Full	Container Type	Top	Condition	Labelling	Manufacturer	Sample No.	Photograph No.	Additional Information
T001	Room 9	200	0	Steel tank	Closed	Fair	None			52	
T002	Room 9	200	0	Steel tank	Closed	Fair	None			52	
T003	Room 18	300	Unknown	Steel tank	Open, with lid	Fair	None			68	SMC mix room, with wheels
T004	Room 18	250	90	Steel tank	Open, with lid	Fair	J-861 Bar #4, AOC Resin N630, Bad do not use		MAS-T004-L-01	70	SMC mix room, with wheels
T005	Room 18	250	Unknown	Steel tank	Open, with lid	Fair	None			69	SMC mix room, with wheels
T006	Room 18	300	0	Steel tank	Open, with lid	Fair	None			70	SMC mix room, with wheels
T007	Room 18	250	0	Steel tank	Open, with lid	Fair	None			71	SMC mix room, with wheels
T008	Room 18	250	0	Steel tank	Open, with lid	Fair	None			71	SMC mix room, with wheels
T009	Room 18	300	Unknown	Steel tank	Open, with lid	Fair	None			72, 73	SMC mix room, with wheels
T010	Room 18	300	Unknown	Steel tank	Open, with lid	Fair	None			73, 74	SMC mix room, with wheels
T011	Room 18	300	Unknown	Steel tank	Open, with lid	Fair	None			74	SMC mix room, with wheels
T012	Room 18	300	Unknown	Steel tank	Open, with lid	Fair	None			75	SMC mix room, with wheels
T013	Room 18	300	Unknown	Steel tank	Open, with lid	Fair	None			75	SMC mix room, with wheels
T014	Room 20	300	10	Steel tank	Open	Fair	None			77, 78	With wheels, two mixers and solidified product in tank
T015	Room 20	70	20	Steel tank	Open, with lid	Fair	DBE			79	Red trough tank with pedal-opener connected to lid
T016	Room 20	30	20	Steel tank	Open, with lid	Poor	None			80, 81	Green tank, solidified product
T017	Room 20	30	5	Steel tank	Open, with lid	Poor	None			80, 81	Green tank, solidified product
T018	Room 20	200	0	Steel tank	Open, with lid	Poor	None			82	Green tank, under hood
T019	Room 31	5	10	Steel tank	Open, with lid	Poor	None			85	OEPA 14; paint mixer
T020	Room 31	10	10	Steel tank	Open, with lid	Poor	None		MAS-T020-S-01	85	OEPA 14; paint mixer, VOC = 8.8 units.
T021	Room 31	5	10	Steel tank	Open, with lid	Poor	None			85	OEPA 14; paint mixer
T022	Room 31	5	10	Steel tank	Open, with lid	Poor	None			85	OEPA 14; paint mixer
T023	Room 31	1	10	Steel tank	Open, with lid	Poor	None			85	OEPA 14; paint mixer
T024	Room 34	7	0	Steel tank	Open, with lid	Poor	Component A Promer E67BC17			86	OEPA 14
T025	Room 34	5	0	Steel tank	Open, with lid	Poor	None			86	OEPA 14; Health = 3, Fammability = 3, PPE = B
T026	Room 34	7	0	Steel tank	Open, with lid	Poor	None			86	OEPA 14
T027	Room 34	10	0	Steel tank	Open, with lid	Poor	None			86	OEPA 14
T028	Room 35	60	30	Poly tote	Open, with lid	Poor	None			87	On steel cart with wheels
T029	Room 17	2,000	0	Poly tank	Closed	Fair	Used oil			89	Near former press line
T030	Area S	6,000	1	Insulated tank	Closed	Fair	Resin tank 300			100	OEPA 21; secondary containment filled with water
T031	Area S	10,000	0	Insulated tank	Closed	Fair	Resin tank 200			101	OEPA 21; secondary containment filled with water

**Table 3**  
**Tank Inventory**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

ID No.	Location	Size (gallons)	% Full	Container Type	Top	Condition	Labelling	Manufacturer	Sample No.	Photograph No.	Additional Information
T032	Area S	10,000	1	Insulated tank	Closed	Fair	Resin tank 100			102	OEPA 21; secondary containment filled with water
T033	Area S	500	10	Steel tank	Closed	Poor	None			103	
T034	Room 40	3,000	Unknown	Steel tank	Closed	Good	Waste oil			104	No secondary containment
T035	Room 40	5,000	Unknown	Steel tank	Closed	Good	Used oil			105	No secondary containment
T036	Room 40	5,000	Unknown	Steel tank	Closed	Good	Used oil			107	No secondary containment
T037	Room 40	6,000	Unknown	Steel tank	Closed	Good	Used oil			109	No secondary containment
T038	Room 40	6,000	Unknown	Steel tank	Closed	Good	Used oil			110	No secondary containment
T039	Room 40	5,000	Unknown	Steel tank	Closed	Good	None			111	No secondary containment
T040	Room 40	5,000	Unknown	Steel tank	Closed	Good	Hydraulic oil			108	No secondary containment
T041	Room 40	5,000	Unknown	Steel tank	Closed	Good	Hydraulic oil			106	No secondary containment
T042	Area S	1,500	20	Poly tank	Closed	Good				121	Oil and water mixture from collection pond
T043	Area E	2,000	Unknown	Steel tank	Closed	Poor				123, 124	OEPA 13; secondary containment filled with water
T044	Area E	2,000	Unknown	Steel tank	Closed	Poor				123, 124	OEPA 13; secondary containment filled with water
T045	Area E	500	Unknown	Steel tank	Closed	Poor				123, 124	OEPA 13; secondary containment filled with water

**Notes:**  
ID = Identification  
OEPA = Ohio Envinronmental Protection Agency  
SMC = Sheet molding compound

**Table 4**  
**Small Container Inventory**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Location	Quantity	Size	Container Type	Contents or Labeling	Manufacturer	Sample No.	Photograph No.	Additional Information
Room 1	None							
Room 2	1	<5 gallons	Poly	Hydraulic Oil	Unknown			
Room 2	2	<1 gallon	Cardboard tube	Grease	Unknown			
Room 2	1	5 gallons	Poly	PG-6800 Synthetic Lubricant	Unknown			
Room 2	13	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 2	1	<1 gallon	Poly	Cutting Fluid	Unknown			
Room 2	1	<1 gallon	Poly	Polyester Filler	Unknown			
Room 2	1	<1 gallon	Poly	Transmission Fluid	Unknown			
Room 2	2	5 gallons	Mop bucket	Oil	Unknown			
Room 2	1	5 gallons	Poly	Purple Power Degreaser	Unknown			Trash
Room 2	1	5 gallons	Poly	AW 30 Hydraulic Oil	Unknown			
Room 2	1	5 gallons	Poly	Unlabeled	Unknown			Trash
Room 2	1	<1 gallon	Poly	Anti Seize	Loctite			
Room 2	1	<1 gallon	Poly	Degreaser	Unknown			
Room 2	1	<1 gallon	Poly	Oxiderno Urethane Catalyst	Unknown			
Room 2	1	<1 gallon	Poly	Gas Leak Oil	Unknown			
Room 2	2	<1 gallon	Poly	Cool Tool	Various			
Room 2	2	50 pounds	Cardboard box	Sweeping Compound	Unknown			
Room 2	1	1 gallon	Poly	Antifreeze	Unknown			
Room 2	1	5 gallons	Poly	Mega Seal Self-Leveling Epoxy	PPG			
Room 2	1	50 pounds	Bag	77-80% Calcium Chloride	DOW			
Room 2	1	1 gallon	Steel	Rust Coat Enamel	Rustoleum			
Room 3	2	5 gallons	Poly	Purple Power Degreaser	Unknown			Empty
Room 3	1	5 gallons	Poly	Purple Power Degreaser	Unknown			
Room 3	1	5 gallons	Poly	Chem-Kote Resin	Garland			
Room 3	1	5 gallons	Poly	Unlabeled	Unknown			Empty
Room 3	1	5 gallons	Poly	Unlabeled	Unknown			White / orange solid
Room 3	1	1 gallon	Poly	Drinking Water	Unknown			
Room 3	6	5 gallons	Poly	Unlabeled	Unknown			Trash
Room 3	2	1 gallon	Steel	Paint	Unknown			Trash
Room 4	2	<1 gallon	Steel	Magnobond 58	Magnolia			
Room 4	2	<1 gallon	Steel	Scotchgrip Contact Adhesive	3M			
Room 4	3	<1 gallon	Steel	Epoxy (Part A and Part B)	Garland			
Room 4	1	<1 gallon	Poly	Lubricant	Unknown			

**Table 4**  
**Small Container Inventory**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Location	Quantity	Size	Container Type	Contents or Labeling	Manufacturer	Sample No.	Photograph No.	Additional Information
Room 4	2	<1 gallon	Poly	Unlabeled	Unknown			Oil
Room 4	1	50 pounds	Bag	77-80% Calcium Chloride	DOW			
Room 4	1	5 gallons	Poly	Citrusolv 40 Degreaser	Betco			
Room 4	50	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 4	1	5 gallons	Poly	Concrete Finish	Unknown			
Room 4	1	5 gallons	Poly	Proplex Red Grease	Unknown			
Room 4	1	1 gallon	Poly	Diesel Engine Oil	Unknown			
Room 4	1	1 gallon	Poly	Gojo Hand Cleaner	Unknown			
Room 4	1	<1 gallon	Steel	Fastbond 10 Neutral Contact Adhesive	Unknown			
Room 4	1	<1 gallon	Poly	Desco Super Soluble Base	Desco			
Room 5	1	5 gallons	Steel	Mineral Spirits	Sherwin Williams		17	
Room 5	1	<1 gallon	Steel	Grease	Unknown			
Room 5	2	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 5	1	<1 gallon	Poly	Anti Seize	Loctite			
Room 5	1	5 gallons	Poly	Genglaze Coating / Flammable	Unknown			
Room 6	1	5 gallons	Poly	Disinfectant	Betco			
Room 6	1	5 gallons	Poly	Joint Compound	Sheetrock			
Room 6	1	5 gallons	Poly	Lubriplate	Unknown			
Room 6	1	<5 gallons	Poly	AGMA EPS	Valvoline			
Room 6	1	<5 gallons	Poly	Concrete Mender Part A and Part B	Roadway			
Room 6	2	< 1 gallon	Steel	Paint / Epoxy	Garland			
Room 6	2	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 6	26	<1 gallon	Steel	Epoxy Part A and Part B	Garland			
Room 6	1	<1 gallon	Steel	ICS Part A EPHB Activator Floor Coating	Unknown			
Room 6	1	50 pounds	Bag	Ice Melt	Unknown			
Room 6	1	50 pounds	Bag	77-80% Calcium Chloride	DOW			
Room 7	4	<1 gallon	Poly	Unlabeled	Unknown		34	Oil
Room 8	1	<5 gallons	Poly	Trim Clear Cutting and Grinding Fluid	Master Chemocal Corp			
Room 8	1	<5 gallons	Poly	Pryoplex Red	Castrol			
Room 9	2	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 9	1	5 gallons	Steel	Unlabeled	Unknown		53	Red solid
Room 9	3	5 gallons	Poly	PG-6800 Synthetic Lubricant	Unknown			
Room 9	8	<1 gallon	Poly	Unlabeled	Unknown			Clear liquid; in laboratory cabinet
Room 9	1	<5 gallons	Poly	Betz AFS	Betz Dearborn			

**Table 4**  
**Small Container Inventory**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Location	Quantity	Size	Container Type	Contents or Labeling	Manufacturer	Sample No.	Photograph No.	Additional Information
Room 9	1	50 pounds	Bag	Oil Dry	Unknown			
Room 9	1	<1 gallon	Poly	Unlabeled	Unknown			Spray bottle
Room 9	1	<5 gallons	Poly	Unlabeled	Unknown			Oil
Room 9	1	5 gallons	Poly	Unlabeled	Unknown	MAS-S001-S-01, MAS-S001-S-01-D	40, 41	White solid
Room 9	2	<5 gallons	Poly	Ins-Tuff Ceramic Fiber Rigidizer	Unknown			
Room 9	1	<5 gallons	Poly	Compressor Lubricant	Unknown			
Room 9	1	<5 gallons	Poly	Deep Blue	Betco			
Room 9	1	<1 gallon	Poly	7.00 pH Buffer Solution	Unknown			
Room 9	1	<1 gallon	Poly	Unlabeled	Unknown			Oil
Room 9	1	<5 gallon	Poly	Hybrid	Betco			
Room 9	1	<1 gallon	Poly	Potassium Iodine-Iodate	Unknown		44	In laboratory cabinet
Room 9	1	<1 gallon	Poly	Sulfuric Acid Solution	Unknown		44	In laboratory cabinet
Room 9	1	<1 gallon	Poly	Molybdate Reagent	Unknown		44	In laboratory cabinet
Room 9	14	<1 gallon	Poly	Various Laboratory Buffers and Reagents	Various		44	In laboratory cabinet
Room 9	1	5 gallons	Poly	Compressor Lubricant	Ingersoll Rand			
Room 10	1	<1 gallon	Poly	Oxide Inhibitor	Unknown		35, 36	
Room 10	1	<1 gallon	Poly	Trade Seal	Unknown		36	
Room 10	1	<1 gallon	Steel	Scotchgrip Contact Adhesive	3M		35, 36	
Room 10	1	<1 gallon	Poly	Pipe Dope	Unknown		35, 36	
Room 10	1	<1 gallon	Poly	Unlabeled	Unknown		35, 36	Spray bottle
Room 10	15	<1 gallon	Poly	Various Lubricants and Oils	Various		35, 36	
Room 10	2	<1 gallon	Cardboard tube	Special grease	Unknown			
Room 10	1	<1 gallon	Poly	Belzona Super Metal	Belzona		36	
Room 10	3	<1 gallon	Poly	Petroleum Jelly	Unknown			
Room 10	1	<1 gallon	Steel	Penetrating Fluid	Unknown		35, 36	
Room 10	2	<1 gallon	Cardboard tube	Grease	Unknown			
Room 10	1	<1 gallon	Poly	Cleaner	Unknown		35, 36	Spray bottle
Room 11	None							Switch gear room
Room 12	4	5 gallons	Poly	PG-6800 Synthetic Lubricant	Unknown			
Room 12	1	50 pounds	Bag	Thrifty Sorb Absorbent	Unknown			
Room 13	1	5 gallons	Poly	AW 32 Hydraulic Oil	Unknown			
Room 13	1	5 gallons	Poly	Unlabeled	Unknown			Oil

**Table 4**  
**Small Container Inventory**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Location	Quantity	Size	Container Type	Contents or Labeling	Manufacturer	Sample No.	Photograph No.	Additional Information
Room 14	30	<1 gallon	Poly	Various Laboratory Buffers and Reagents	Various		48, 49, 50	
Room 14	4	<1 gallon	Poly	Cleaner	Unknown			Spray bottle
Room 14	3	<1 gallon	Aerosol can	Various Aerosols	Unknown			
Room 15	1	1 gallon	Steel	Paint	Unknown			
Room 15	1	50 pounds	Bag	Sweeping Compound	Unknown			
Room 16	None							Hazardous materials building
Room 17	1	5 gallons	Poly	Unlabeled	Unknown			Oil / oily parts
Room 17	12	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 17	1	1 gallon	Poly	Unlabeled	Unknown			Liquid
Room 17	1	Unknown	Cardboard box	PCB Ballasts	Unknown			
Room 17	1	Unknown	Cardboard box	Weed Killer / Poison	Unknown			
Room 17	1	<5 gallons	Poly	Tile Clad High Solids	Unknown			
Room 17	1	50 pounds	Bag	Sweeping Compound	Unknown			
Room 18	1	1 gallon	Steel	Industrial Enamel	Sherwin Williams			
Room 18	1	<1 gallon	Steel	Penetrating Fluid	Unknown			
Room 18	1	<1 gallon	Poly	Inhibitor	Unknown			Empty
Room 18	2	<5 gallon	Steel	Styrene	Unknown		63, 68	Red dispensing cans
Room 18	2	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 18	1	<1 gallon	Poly	Unlabeled	Unknown			Oil
Room 19	1	<1 gallon	Poly	Ink	Unknown			
Room 19	1	<1 gallon	Poly	Oil	Unknown			
Room 20	2	<5 gallons	Poly	Plasticolors Aropol	Unknown			
Room 20	1	1 gallon	Steel	Unlabeled	Unknown			Oil
Room 20	1	1 gallon	Steel	DBE (Dibasic Ester)	Unknown			
Room 20	1	<1 gallon	Steel	DBE (Dibasic Ester)	Unknown			
Room 21	2	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 22	1	<1 gallon	Poly	Unlabeled	Unknown			Oil
Room 23	1	<1 gallon	Steel	Epoxy Part C	Garland			
Room 23	2	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 24	None							Office
Room 25	2	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 26	Unknown							Office; locked
Room 27	Unknown							Office; locked
Room 28	2	<1 gallon	Poly	Cleaner	Unknown			Spray bottle

**Table 4**  
**Small Container Inventory**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Location	Quantity	Size	Container Type	Contents or Labeling	Manufacturer	Sample No.	Photograph No.	Additional Information
Room 28	2	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 29	1	5 gallons	Poly	Ax-It Plus Stripper	Betco			
Room 29	13	<1 gallon	Aerosol can	Various Aerosols	Various			
Room 29	1	<1 gallon	Steel	Scotchgrip Contact Adhesive	3M			
Room 29	1	<1 gallon	Poly	Partell Film #10	Unknown			
Room 29	1	<1 gallon	Poly	Cream Hardener	Unknown			
Room 29	1	<1 gallon	Poly	High Heat Resistant Rigid Filler	Adtech			
Room 29	1	5 gallons	Poly	Hybrid	Betco			
Room 29	1	1 gallon	Steel	Unlabeled	Unknown			Paint can
Room 29	1	<1 gallon	Poly	Eradicator	Michlin			
Room 29	2	<1 gallon	Cylinder	Propane Calibration Gas	Unknown			
Room 29	2	<1 gallon	Cylinder	Carbon Monoxide Calibration Gas	Unknown			
Room 29	1	<1 gallon	Cylinder	Zero Air Calibration Gas	Unknown			
Room 29	1	<1 gallon	Poly	Isopropyl Alcohol	Unknown			
Room 29	1	<1 gallon	Poly	Unlabeled	Unknown			Spray bottle
Room 29	1	1 gallon	Steel	Unlabeled	Unknown			Paint can
Room 29	1	<1 gallon	Cylinder	Propane	Coleman			
Room 30	7	<1 gallon	Various	Various Spray Bottles and Aerosols	Various			
Room 31	1	5 gallons	Poly	PG-6800 Synthetic Lubricant	Unknown			
Room 31	1	5 gallons	Poly	Unlabeled	Unknown			Oil
Room 31	1	5 gallons	Poly	AE PG-6800-5	Unknown			
Room 31	2	5 gallons	Poly	Glas Clad Molded Coating	Sherwin Williams			
Room 32	None							Office
Room 33	1	1 gallon	Poly	Unlabeled	Unknown			
Room 33	1	1 gallon	Poly	Unlabeled	Unknown			Oil
Room 33	1	<1 gallon	Poly	Indicator 3	Unknown			
Room 33	1	<1 gallon	Poly	XM-0228	Unknown			Leaking
Room 33	1	5 gallons	Poly	Unlabeled	Unknown			Empty
Room 33	1	<1 gallon	Poly	Unlabeled	Unknown			Clear liquid
Room 34	5	5 gallons	Poly	Various	Various			Empty
Room 34	1	1 gallon	Poly	Unlabeled	Unknown			Empty
Room 35	2	1 gallon	Poly	Unlabeled	Unknown			Empty
Room 35	1	5 gallons	Poly	Organic Peroxide / Trigonex C / UN 3103	Akzo Nobel			
Room 36	None							Dust room

**Table 4**  
**Small Container Inventory**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Location	Quantity	Size	Container Type	Contents or Labeling	Manufacturer	Sample No.	Photograph No.	Additional Information
Room 37	1	<1 gallon	Poly	Step Surfacing Putty	Unknown			
Room 38	None							Truck component storage room
Room 39	1	5 gallons	Steel	Unlabeled	Unknown			Petroleum product
Room 39	1	>5 gallons	Poly	Unlabeled	Unknown			Solid
Room 39	1	5 gallon	Poly	Unlabeled	Unknown			Oil
Room 40	9	5 gallon	Poly	Various	Various			Empty
Room 40	1	1 gallon	Poly	Antifreeze	Unknown			
Room 40	6	5 gallon	Poly	Various	Various			Oil
Room 40	1	1 gallon	Steel	Unlabeled	Unknown			Solvent can
Room 40	2	<5 gallons	Poly	Unlabeled	Unknown			Oil
Room 40	1	5 gallons	Poly	Ecosorb	Unknown			
Room 40	1	5 gallons	Mop bucket	Unlabeled	Unknown			Oil
Room 41	1	1 gallon	Poly	Antifreeze	Unknown			
Room 41	1	5 gallons	Poly	Ultra Coolant	Unknown			
Room 41	3	5 gallons	Poly	Various	Various			Trash
Room 41	1	<1 gallon	Poly	Ideal Wire Pulling Lubricant	Unknown			
Room 41	1	<1 gallon	Steel	Penetrating Fluid	Pen			
Room 41	1	<1 gallon	Poly	Trimming Fluid	Unknown			
Room 41	1	<1 gallon	Poly	Motor oil	Unknown			
Room 41	1	5 gallons	Poly	Unlabeled	Unknown			
Room 41	1	5 gallons	Poly	Setfast Premium Alkyd Zone Marking Paint	Sherwin Williams			
Room 42	60	<1 gallon	Glass	Material Samples (Hardened)	Meridian Automotive Systems			
Room 43	None							
Room 44	None							Office
Room 45	None							Diesel fire pumphouse building
Room 46	10	5 gallons	Poly	Various	Various			Fuel oil pumphouse
Room 47	Unknown							Peroxide storage building; locked
Room 48	Unknown							Yard gang building; locked
Room 49	None							Gas main shutoff building
Room 50	None							Water main shutoff building
Area S	1	5 gallons	Poly	Hydraulic Fluid	Unknown			
Area S	2	5 gallons	Poly	Unlabeled	Unknown			Oil
Area S	1	90 pounds	Cylinder	Propane	Unknown			
Area S	1	Unknown	Cylinder	Oxygen	Unknown			

Table 4  
Small Container Inventory  
Meridian Automotive Systems Site Assessment  
Jackson, Jackson County, Ohio

Location	Quantity	Size	Container Type	Contents or Labeling	Manufacturer	Sample No.	Photograph No.	Additional Information
Area S	1	Unknown	Cylinder	Oxygen	Unknown			On trailer

**Note:**  
Poly = Polyethylene

**Table 5**  
**Sub-Floor Pit Sample Analytical Results**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Parameters	Analytical Method	Container ID	P001	P004	P007	P009	P012	P012
		Field Sample ID	MAS-P001-L-01	MAS-P004-L-01	MAS-P007-L-01	MAS-P009-L-01	MAS-P012-L-01	MAS-P012-L-01-D
		Sample Date	10/29/2009	10/29/2009	10/29/2009	10/29/2009	10/29/2009	10/29/2009
		Units						
TCLP Metals								
Arsenic	SW846-6010A	mg/L	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U
Barium	SW846-6010A	mg/L	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U
Cadmium	SW846-6010A	mg/L	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U
Chromium	SW846-6010A	mg/L	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U
Lead	SW846-6010A	mg/L	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U
Mercury	SW846-7470A	mg/L	<0.0050, U	<0.0050, U	<0.0050, U	<0.0050, U	<0.0050, U	<0.0050, U
Selenium	SW846-6010A	mg/L	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U
Silver	SW846-6010A	mg/L	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U	<0.10, U
PCBs								
Aroclor 1016	SW846-8081	mg/kg	<0.50, U <sup>a</sup>	<0.50, U <sup>a</sup>	<1.0, U	<1.0, U	<1.0, U	<1.0, U
Aroclor 1221	SW846-8081	mg/kg	<0.50, U <sup>a</sup>	<0.50, U <sup>a</sup>	<1.0, U	<1.0, U	<1.0, U	<1.0, U
Aroclor 1232	SW846-8081	mg/kg	<0.50, U <sup>a</sup>	<0.50, U <sup>a</sup>	<1.0, U	<1.0, U	<1.0, U	<1.0, U
Aroclor 1242	SW846-8081	mg/kg	<0.50, U <sup>a</sup>	<0.50, U <sup>a</sup>	<1.0, U	<1.0, U	<1.0, U	<1.0, U
Aroclor 1248	SW846-8081	mg/kg	<0.50, U <sup>a</sup>	<0.50, U <sup>a</sup>	<1.0, U	<1.0, U	<1.0, U	<1.0, U
Aroclor 1254	SW846-8081	mg/kg	<0.50, U <sup>a</sup>	<0.50, U <sup>a</sup>	<1.0, U	<1.0, U	<1.0, U	<1.0, U
Aroclor 1260	SW846-8081	mg/kg	<0.50, U <sup>a</sup>	<0.50, U <sup>a</sup>	<1.0, U	<1.0, U	<1.0, U	<1.0, U
Aroclor 1268	SW846-8081	mg/kg	<0.50, U <sup>a</sup>	<0.50, U <sup>a</sup>	<1.0, U	<1.0, U	<1.0, U	<1.0, U
TCLP VOCs								
Benzene	SW846-8260A	mg/L	<0.10, U	<0.10, U				
Carbon tetrachloride	SW846-8260A	mg/L	<0.10, U	<0.10, U				
Chlorobenzene	SW846-8260A	mg/L	<0.10, U	<0.10, U				
Chloroform	SW846-8260A	mg/L	<0.10, U	<0.10, U				
1,2-Dichloroethane	SW846-8260A	mg/L	<0.10, U	<0.10, U				
1,1-Dichloroethene	SW846-8260A	mg/L	<0.10, U	<0.10, U				
Methyl ethyl ketone (2-butanone)	SW846-8260A	mg/L	<1.0, U	<1.0, U				
Tetrachloroethylene	SW846-8260A	mg/L	<0.10, U	<0.10, U				
Trichloroethylene	SW846-8260A	mg/L	<0.10, U	<0.10, U				
Vinyl chloride	SW846-8260A	mg/L	<0.10, U	<0.10, U				

**Table 5**  
**Sub-Floor Pit Sample Analytical Results**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Parameters	Analytical Method	Container ID	P001	P004	P007	P009	P012	P012
		Field Sample ID	MAS-P001-L-01	MAS-P004-L-01	MAS-P007-L-01	MAS-P009-L-01	MAS-P012-L-01	MAS-P012-L-01-D
		Sample Date	10/29/2009	10/29/2009	10/29/2009	10/29/2009	10/29/2009	10/29/2009
		Units						
Total VOCs								
Acetone	SW846-8260A	mg/kg			<6.0, U	<5.4, U	<10, U	<9.2, U
Acrolein	SW846-8260A	mg/kg			<6.0, U	<5.4, U	<10, U	<9.2, U
Acrylonitrile	SW846-8260A	mg/kg			<6.0, U	<5.4, U	<10, U	<9.2, U
Benzene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<37, U
Bromochloromethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Bromodichloromethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Bromoform	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<37, U
Bromomethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Carbon disulfide	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Carbon tetrachloride	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Chlorobenzene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<37, U
Chloroethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Chloroform	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Chloromethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	9.8
Dibromochloromethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<37, U
1,1-Dichloroethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
1,2-Dichloroethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
1,1-Dichloroethene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
1,2-Dichloropropane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
cis-1,2-Dichloroethene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
trans-1,2-Dichloroethene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
cis-1,3-Dichloropropene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Ethylbenzene	SW846-8260A	mg/kg			1.6	<1.1, U	<2.0, U	<37, U
2-Hexanone (MBK)	SW846-8260A	mg/kg			<6.0, U	<5.4, U	<10, U	<190, U
N-hexane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Methylene chloride	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Methyl ethyl ketone (2-butanone)	SW846-8260A	mg/kg			<6.0, U	<5.4, U	<10, U	<9.2, U
Methyl methacrylate	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U

**Table 5**  
**Sub-Floor Pit Sample Analytical Results**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Parameters	Analytical Method	Container ID	P001	P004	P007	P009	P012	P012
		Field Sample ID	MAS-P001-L-01	MAS-P004-L-01	MAS-P007-L-01	MAS-P009-L-01	MAS-P012-L-01	MAS-P012-L-01-D
		Sample Date	10/29/2009	10/29/2009	10/29/2009	10/29/2009	10/29/2009	10/29/2009
		Units						
Total VOCs								
2-Nitropropane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Pentachloroethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<37, U
Propionitrile	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Styrene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	2.7	510 J
1,1,1,2-Tetrachloroethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
1,1,2,2-Tetrachloroethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<37, U
Tetrachloroethylene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<37, U
Toluene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<37, U
1,2,4-Trichlorobenzene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
1,1,1-Trichloroethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
1,1,2-Trichloroethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Trichloroethylene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Trichlorofluoromethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
1,2,3-Trichloropropane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<37, U
1,1,2-Trichlorotrifluoroethane	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
1,2,4-Trimethylbenzene	SW846-8260A	mg/kg			<1.2, U	<1.1, U	4.2	<37, U
Vinyl acetate	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Vinyl chloride	SW846-8260A	mg/kg			<1.2, U	<1.1, U	<2.0, U	<1.9, U
Xylenes (total)	SW846-8260A	mg/kg			<1.2, U	<2.2, U	<4.0, U	<74, U

**Notes:**

**Bold** results indicate detected compounds.

ID = Identification

J = Estimated

mg/kg = Milligram per kilogram

mg/L = Milligram per liter

PCB = Polychlorinated biphenyl

TCLP = Toxicity characteristic leaching procedure

U = Undetected

VOC = Volatile organic compound

\* Units of PCB sample results for MAS-P001-L-01 and MAS-P004-L-01 are in mg/L.

**Table 6**  
**Drum Sample Analytical Results**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Parameters	Analytical Method	Container ID	D036	D041	D047	D050
		Field Sample ID	MAS-D036-L-01-MS	MAS-D041-L-01	MAS-D047-L-01	MAS-D050-S-01-M
		Sample Date	10/29/2009	10/29/2009	10/29/2009	10/29/2009
		Units				
Characteristic						
Flashpoint	SW846-1010M/D93	°F		92	<70	
Corrosivity	SW846-9045C	pH SUs				8.8
TCLP Metals						
Arsenic	SW846-6010A	mg/L	<0.10, U			
Barium	SW846-6010A	mg/L	<0.10, U			
Cadmium	SW846-6010A	mg/L	<0.10, U			
Chromium	SW846-6010A	mg/L	<0.10, U			
Lead	SW846-6010A	mg/L	<0.10, U			
Mercury	SW846-7470A	mg/L	<0.0050, U			
Selenium	SW846-6010A	mg/L	<0.10, U			
Silver	SW846-6010A	mg/L	<0.10, U			
PCBs						
Aroclor 1016	SW846-8081	mg/kg	<1.0, U			
Aroclor 1221	SW846-8081	mg/kg	<1.0, U			
Aroclor 1232	SW846-8081	mg/kg	<1.0, U			
Aroclor 1242	SW846-8081	mg/kg	<1.0, U			
Aroclor 1248	SW846-8081	mg/kg	<1.0, U			
Aroclor 1254	SW846-8081	mg/kg	<1.0, U			
Aroclor 1260	SW846-8081	mg/kg	<1.0, U			
Aroclor 1268	SW846-8081	mg/kg	<1.0, U			
TCLP VOCs						
Benzene	SW846-8260A	mg/L				<0.10, UJ
Carbon tetrachloride	SW846-8260A	mg/L				<0.10, UJ
Chlorobenzene	SW846-8260A	mg/L				<0.10, UJ
Chloroform	SW846-8260A	mg/L				<0.10, UJ
1,2-Dichloroethane	SW846-8260A	mg/L				<0.10, UJ
1,1-Dichloroethene	SW846-8260A	mg/L				<0.10, UJ
Methyl ethyl ketone (2-butanone)	SW846-8260A	mg/L				<1.0, UJ
Tetrachloroethylene	SW846-8260A	mg/L				<0.10, UJ
Trichloroethylene	SW846-8260A	mg/L				<0.10, UJ
Vinyl chloride	SW846-8260A	mg/L				<0.10, UJ

**Table 6**  
**Drum Sample Analytical Results**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Parameters	Analytical Method	Container ID	D036	D041	D047	D050
		Field Sample ID	MAS-D036-L-01-MS	MAS-D041-L-01	MAS-D047-L-01	MAS-D050-S-01-M
		Sample Date	10/29/2009	10/29/2009	10/29/2009	10/29/2009
		Units				
Total VOCs						
Acetone	SW846-8260A	mg/kg	<7.2, U	<4,100, U	<120, U	
Acrolein	SW846-8260A	mg/kg	<7.2, U	<4,100, U	<120, U	
Acrylonitrile	SW846-8260A	mg/kg	<7.2, U	<4,100, U	<120, U	
Benzene	SW846-8260A	mg/kg	<1.5, U	<82,000, U	<23, U	
Bromochloromethane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Bromodichloromethane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Bromoform	SW846-8260A	mg/kg	<1.5, U	<82,000, U	<23, U	
Bromomethane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Carbon disulfide	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Carbon tetrachloride	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Chlorobenzene	SW846-8260A	mg/kg	<1.5, U	<82,000, U	<23, U	
Chloroethane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Chloroform	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Chloromethane	SW846-8260A	mg/kg	<1.5, U	2,400	<23, U	
Dibromochloromethane	SW846-8260A	mg/kg	<1.5, U	<82,000, U	<23, U	
1,1-Dichloroethane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
1,2-Dichloroethane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
1,1-Dichloroethene	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
1,2-Dichloropropane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
cis-1,2-Dichloroethene	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
trans-1,2-Dichloroethene	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
cis-1,3-Dichloropropene	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Ethylbenzene	SW846-8260A	mg/kg	34	<82,000, U	<23, U	
2-Hexanone (MBK)	SW846-8260A	mg/kg	<7.2, U	<410,000, U	<120, U	
N-hexane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Methylene chloride	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Methyl ethyl ketone (2-butanone)	SW846-8260A	mg/kg	<7.2, U	<4,100, U	<120, U	
Methyl methacrylate	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
4-Methyl-2-pentanone	SW846-8260A	mg/kg	<7.2, U	<4,100, U	<120, U	
2-Nitropropane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	

**Table 6**  
**Drum Sample Analytical Results**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Parameters	Analytical Method	Container ID	D036	D041	D047	D050
		Field Sample ID	MAS-D036-L-01-MS	MAS-D041-L-01	MAS-D047-L-01	MAS-D050-S-01-M
		Sample Date	10/29/2009	10/29/2009	10/29/2009	10/29/2009
		Units				
Total VOCs						
Pentachloroethane	SW846-8260A	mg/kg	<1.5, U	<82,000, U	<23, U	
Propionitrile	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Styrene	SW846-8260A	mg/kg	2.2	170,000	170	
1,1,1,2-Tetrachloroethane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
1,1,2,2-Tetrachloroethane	SW846-8260A	mg/kg	<1.5, U	<82,000, U	<23, U	
Tetrachloroethylene	SW846-8260A	mg/kg	<1.5, U	<82,000, U	<23, U	
Toluene	SW846-8260A	mg/kg	<1.5, U	<82,000, U	<23, U	
1,2,4-Trichlorobenzene	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
1,1,1-Trichloroethane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
1,1,2-Trichloroethane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Trichloroethylene	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Trichlorofluoromethane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
1,2,3-Trichloropropane	SW846-8260A	mg/kg	<1.5, U	<82,000, U	<23, U	
1,1,2-Trichlorotrifluoroethane	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
1,2,4-Trimethylbenzene	SW846-8260A	mg/kg	<1.5, U	<82,000, U	<23, U	
Vinyl acetate	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Vinyl chloride	SW846-8260A	mg/kg	<1.5, U	<820, U	<23, U	
Xylenes (total)	SW846-8260A	mg/kg	<3.0, U	<170,000, U	<47, U	

**Notes:**

**Bold** results indicate detected compounds.

°F = Degree Fahrenheit

ID = Identification

J = Estimated

mg/kg = Milligram per kilogram

mg/L = Milligram per liter

PCB = Polychlorinated biphenyl

SU = Standard unit

TCLP = Toxicity characteristic leaching procedure

U = Undetected

VOC = Volatile organic compound

**Table 7**  
**Tank Sample Analytical Results**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Parameters	Analytical Method	Container ID	T004	T020
		Field Sample ID	MAS-T004-L-01	MAS-T020-S-01
		Sample Date	10/29/2009	10/29/2009
Characteristic				
Flashpoint	SW846-1010M/D93	°F	82	
Corrosivity	SW846-9045C	pH SUs		4.0
TCLP VOCs				
Benzene	SW846-8260A	mg/L	<0.10, U	<0.10, U
Carbon tetrachloride	SW846-8260A	mg/L	<0.10, U	<0.10, U
Chlorobenzene	SW846-8260A	mg/L	<0.10, U	<0.10, U
Chloroform	SW846-8260A	mg/L	<0.10, U	<0.10, U
1,2-Dichloroethane	SW846-8260A	mg/L	<0.10, U	<0.10, U
1,1-Dichloroethene	SW846-8260A	mg/L	<0.10, U	<0.10, U
Methyl ethyl ketone (2-butanone)	SW846-8260A	mg/L	<1.0, U	<1.0, U
Tetrachloroethylene	SW846-8260A	mg/L	<0.10, U	<0.10, U
Trichloroethylene	SW846-8260A	mg/L	<0.10, U	<0.10, U
Vinyl chloride	SW846-8260A	mg/L	<0.10, U	<0.10, U

**Notes:**

°F = Degree Fahrenheit

ID = Identification

mg/L = Milligram per liter

SU = Standard unit

TCLP = Toxicity characteristic leaching procedure

U = Undetected

VOC = Volatile organic compound

**Table 8**  
**Small Container Sample Analytical Results**  
**Meridian Automotive Systems Site Assessment**  
**Jackson, Jackson County, Ohio**

Parameters	Analytical Method	Container ID	S001	S001
		Field Sample ID	MAS-S001-S-01	MAS-S001-S-01-D
		Sample Date	10/29/2009	10/29/2009
		Units		
Characteristic				
Corrosivity	SW846-9045C	pH SUs	10.0	10.0
TCLP VOCs				
Benzene	SW846-8260A	mg/L	<0.10, U	<0.10, U
Carbon tetrachloride	SW846-8260A	mg/L	<0.10, U	<0.10, U
Chlorobenzene	SW846-8260A	mg/L	<0.10, U	<0.10, U
Chloroform	SW846-8260A	mg/L	<0.10, U	<0.10, U
1,2-Dichloroethane	SW846-8260A	mg/L	<0.10, U	<0.10, U
1,1-Dichloroethene	SW846-8260A	mg/L	<0.10, U	<0.10, U
Methyl ethyl ketone (2-butanone)	SW846-8260A	mg/L	<1.0, U	<1.0, U
Tetrachloroethylene	SW846-8260A	mg/L	<0.10, U	<0.10, U
Trichloroethylene	SW846-8260A	mg/L	<0.10, U	<0.10, U
Vinyl chloride	SW846-8260A	mg/L	<0.10, U	<0.10, U

**Notes:**

ID = Identification

mg/L = Milligram per liter

SU = Standard unit

TCLP = Toxicity characteristic leaching procedure

U = Undetected

VOC = Volatile organic compound

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**APPENDIX C**  
**PHOTOGRAPHIC DOCUMENTATION**

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**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 1  
**Direction:** East  
**Subject:** Sub-floor pit P001 in Room 1

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 2  
**Direction:** Down  
**Subject:** Sub-floor pit P002 in Room 2

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 3  
**Direction:** South  
**Subject:** Sub-floor pit P003 in Room 2

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 4  
**Direction:** South  
**Subject:** Sub-floor pit P004 in Room 3, with an abandoned hydraulic press

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 5

**Date:** 10/28/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Sub-floor pit P005 in Room 3, with an abandoned hydraulic press



**Site:** Meridian Automotive Systems Site

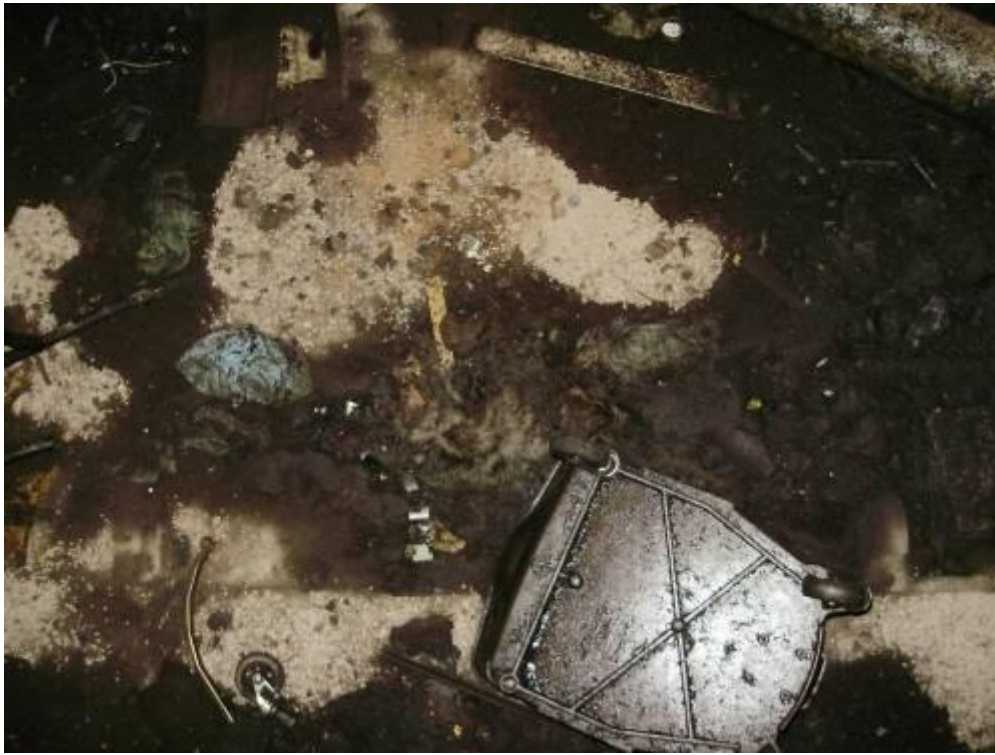
**Photograph No.:** 6

**Date:** 10/28/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Sub-floor pit P006 in Room 3



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 7

**Date:** 10/28/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Animal remains (opossum) in the center of sub-floor pit P006



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 8

**Date:** 10/28/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Sub-floor pit P007 in Room 3



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 9  
**Direction:** Down  
**Subject:** Sub-floor pit P008 in Room 3

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 10  
**Direction:** Down  
**Subject:** Sub-floor pit P009 in Room 3

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 11  
**Direction:** Down  
**Subject:** Sub-floor pit P010 in Room 3

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 12  
**Direction:** Down  
**Subject:** Sub-floor pit P011 in Room 3

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 13  
**Direction:** Down  
**Subject:** Sub-floor pit P012 in Room 3

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 14  
**Direction:** North  
**Subject:** Sub-floor pit P013 in Room 3; partially filled

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 15  
**Direction:** Down  
**Subject:** Sub-floor pit P014 in Room 3

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 16  
**Direction:** West  
**Subject:** Sub-floor pit P015 in Room 3

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 17  
**Direction:** East  
**Subject:** Drum D001 in Room 5

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 18  
**Direction:** North  
**Subject:** Drum D002 in Room 5

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 19

**Date:** 10/28/2009

**Direction:** North

**Photographer:** Ryan Green

**Subject:** Drum D003 in Room 2; labeled with spray paint because of excessively oily exterior



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 20

**Date:** 10/28/2009

**Direction:** Northwest

**Photographer:** Ryan Green

**Subject:** Drums D004, D005 and D006 in Room 2; suspected waste hydraulic oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 21

**Date:** 10/28/2009

**Direction:** North

**Photographer:** Ryan Green

**Subject:** Drums D007, D008 and D009 in Room 2; suspected waste hydraulic oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 22

**Date:** 10/28/2009

**Direction:** North

**Photographer:** Ryan Green

**Subject:** Drums D010 and D011 in Room 2



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 23

**Date:** 10/28/2009

**Direction:** North

**Photographer:** Ryan Green

**Subject:** Drum D012 in Room 2; contains oil waste shown in Photograph No. 24



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 24

**Date:** 10/28/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Oil waste inside drum D012 in Room 2



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 25

**Date:** 10/28/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D013 in Room 6 with hand pump installed in top; OEPA 6



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 26

**Date:** 10/28/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D013 in Room 6; Pliogrip 9100 Adhesive label



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 27

**Date:** 10/28/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D014 in Room 6 with hazardous waste and flammable labels; OEPA 6



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 28

**Date:** 10/28/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D015 in Room 6; Shell Tellus Oil 32 label; OEPA 6



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 29

**Date:** 10/28/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D016 in Room 6; Shell Tellus Oil 32 label; OEPA 6



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 30

**Date:** 10/28/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D017 in Room 6 containing aerosol cans in Photograph No. 31; OEPA 6



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 31  
**Direction:** Down  
**Subject:** Aerosol cans inside Drum D017

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 32  
**Direction:** South  
**Subject:** Drum D018 on cart in Room 6; Frequency 64 disinfectant cleaner label; OEPA 6

**Date:** 10/28/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 33

**Date:** 10/28/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D019 in Room 6 with hand pump installed in top; OEPA 6



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 34

**Date:** 10/28/2009

**Direction:** North

**Photographer:** Ryan Green

**Subject:** Small poly containers with unknown dark liquids on window sill in Room 7



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 35

**Date:** 10/28/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Miscellaneous small containers on shelf in Room 10



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 36

**Date:** 10/28/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Miscellaneous small containers on shelf in Room 10



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 37

**Date:** 10/28/2009

**Direction:** North

**Photographer:** Ryan Green

**Subject:** Drum D020 in Room 9 with Nalsperse 7308 Dispersant label



**Site:** Meridian Automotive Systems Site

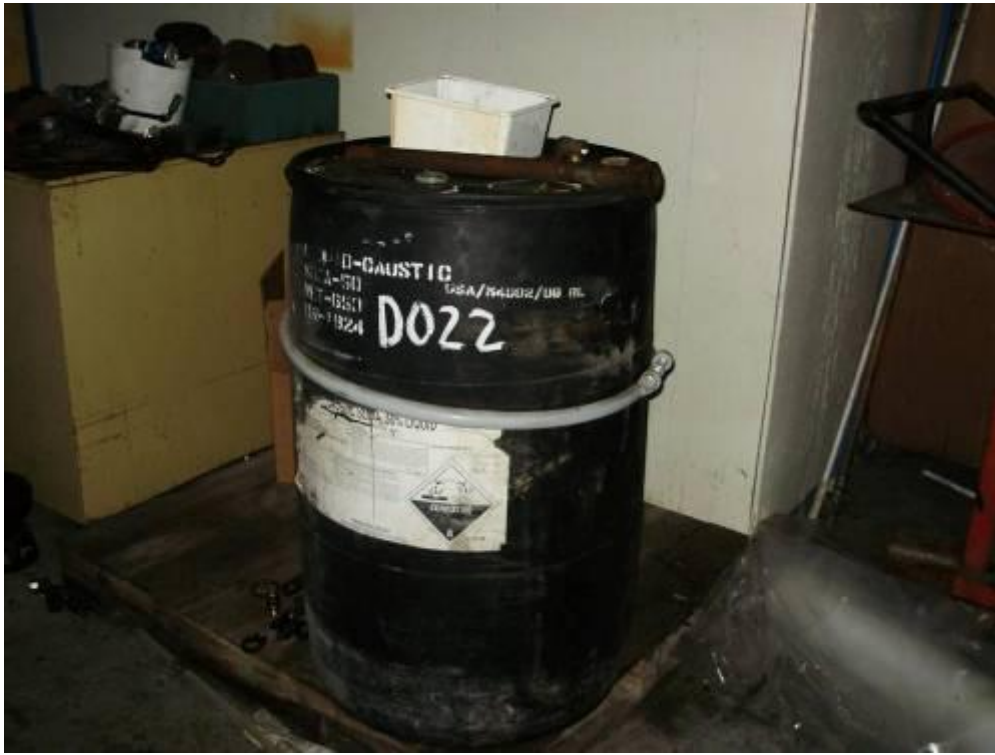
**Photograph No.:** 38

**Date:** 10/28/2009

**Direction:** North

**Photographer:** Ryan Green

**Subject:** Drum D021 in Room 9 attached to drum cart; reciprocating compressor lubricant label



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 39

**Date:** 10/28/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D022 in Room 9 with caustic soda 50% liquid and corrosive labels



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 40

**Date:** 10/28/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drums D023 and D024 in Room 9; labeled as dispersant and unknown solvent



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 41

**Date:** 10/28/2009

**Direction:** Southeast

**Photographer:** Ryan Green

**Subject:** Drum D025 labeled Breakthrough in Room 9; unknown white powder in 5-gallon bucket on left was source of samples MAS-S001-S-01 and MAS-S001-S-01-DP



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 42

**Date:** 10/28/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drums D026 and D027 in Room 9; Nalco Nexguard 22352 and 7330



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 43

**Direction:** West

**Subject:** Drum D028 in Room 9 with Spectrus NX108 labeling; Health hazard = 3

**Date:** 10/28/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 44

**Direction:** East

**Subject:** Small containers in a laboratory cabinet in Room 9; contents include sulfuric acid

**Date:** 10/28/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 45

**Date:** 10/28/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Drum D029 in Room 9 with Nalco 3D Trasar 3DT288 label



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 46

**Date:** 10/28/2009

**Direction:** North

**Photographer:** Ryan Green

**Subject:** Drum D030 in Room 9 labeled Limsol water scale solvent; odor near drum



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 47

**Date:** 10/28/2009

**Direction:** Northwest

**Photographer:** Ryan Green

**Subject:** Drum D031 in Room 12 labeled Endura air tool oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 48

**Date:** 10/28/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Miscellaneous small containers in Room 14; former laboratory



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 49

**Date:** 10/28/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Miscellaneous small containers in Room 14; former laboratory



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 50

**Date:** 10/28/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Miscellaneous small containers in Room 14; former laboratory



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 51

**Date:** 10/28/2009

**Direction:** North

**Photographer:** Ryan Green

**Subject:** Drum D032 in Room 13 with hazardous waste label; contains used aerosol cans



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 52

**Date:** 10/28/2009

**Direction:** Northeast

**Photographer:** Ryan Green

**Subject:** Tanks T001 and T002 in Room 9; empty



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 53

**Date:** 10/28/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Unknown red powder released from corroded 5-gallon bucket in Room 9; Ahura FirstDefender unit in foreground analyzing powder; no positive identification made



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 54

**Date:** 10/29/2009

**Direction:** Southeast

**Photographer:** Ryan Green

**Subject:** Drum D033 in Room 3 with styrene monomer and flammable labeling; OEPA 18



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 55

**Date:** 10/29/2009

**Direction:** Northwest

**Photographer:** Ryan Green

**Subject:** Drum D033 in Room 3 with styrene monomer and flammable labeling; OEPA 18



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 56

**Date:** 10/29/2009

**Direction:** East

**Photographer:** Ryan Green

**Subject:** Drum D034 inside a waste bin in Room 3, labeled Pliogrip 9100 adhesive



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 57

**Date:** 10/29/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D034 inside a waste bin in Room 3; labeled Pliogrip 9100 adhesive



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 58

**Date:** 10/29/2009

**Direction:** North

**Photographer:** Ryan Green

**Subject:** Drums D035 and D036 in Room 3; OEPA 17; unknown oily waste collected from D036 source of sample MAS-D036-L-01-MS



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 59

**Date:** 10/29/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Interior of drum D036 in Room 3; OEPA 17; unknown oily waste collected from D036 source of sample MAS-D036-L-01-MS



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 60

**Date:** 10/29/2009

**Direction:** North

**Photographer:** Ryan Green

**Subject:** Drum D038 in Room 17 with "DGE" written on top; OEPA 2



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 61

**Date:** 10/29/2009

**Direction:** Southeast

**Photographer:** Ryan Green

**Subject:** Drum D037 in Room 3 containing 1 inch of waste oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 62

**Date:** 10/29/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Drum D037 in Room 3 containing 1 inch of waste oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 63

**Date:** 10/29/2009

**Direction:** Southeast

**Photographer:** Ryan Green

**Subject:** Drum D039 in Room 18, former SMC mix room, with styrene monomer and flammable labeling; OEPA 16; fiber drum D040 on right



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 64

**Date:** 10/29/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Drum D040 interior with plastic bag containing white powder



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 65  
**Direction:** Down  
**Subject:** Drum D040 with VR3 labeling

**Date:** 10/29/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 66  
**Direction:** Down  
**Subject:** Drum D040 in Room 18

**Date:** 10/29/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 67

**Date:** 10/29/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Drum D041 in Room 18 with styrene monomer and flammable labeling; OEPA 16; clear liquid collected from D041 source of sample MAS-D041-L-01



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 68

**Date:** 10/29/2009

**Direction:** East

**Photographer:** Ryan Green

**Subject:** Rolling tank T003 in former SMC mix room, Room 18



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 69

**Date:** 10/29/2009

**Direction:** East

**Photographer:** Ryan Green

**Subject:** Rolling tanks T004 and T005 in former SMC mix room, Room 18



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 70

**Date:** 10/29/2009

**Direction:** Northwest

**Photographer:** Ryan Green

**Subject:** Rolling tanks T004 and T006 in former SMC mix room, Room 18



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 71

**Direction:** West

**Subject:** Rolling tanks T007 and T008 in former SMC mix room, Room 18

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 72

**Direction:** West

**Subject:** Rolling tank T009 in former SMC mix room, Room 18

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 73

**Date:** 10/29/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Rolling tanks T009 and T010 in former SMC mix room, Room 18



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 74

**Date:** 10/29/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Rolling tanks T010 and T011 in former SMC mix room, Room 18



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 75

**Direction:** Northwest

**Subject:** Rolling tanks T012 and T013 in former SMC mix room, Room 18

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 76

**Direction:** North

**Subject:** Drum D042 in northwest corner of Room 20

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 77

**Date:** 10/29/2009

**Direction:** East

**Photographer:** Ryan Green

**Subject:** Tank T014 in Room 20 with two mixers and gray solidified product in bottom



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 78

**Date:** 10/29/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Interior of tank T014 in Room 20 with gray solidified product in bottom



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 79

**Direction:** South

**Subject:** Tank T015 in Room 20

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 80

**Direction:** Southwest

**Subject:** Open tops of tanks T016 and T017 containing solidified black product in Room 20

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 81  
**Direction:** Southwest  
**Subject:** Tanks T016 and T017 in Room 20

**Date:** 10/29/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site  
**Photograph No.:** 82  
**Direction:** South  
**Subject:** Tank T018 under hood in Room 20

**Date:** 10/29/2009  
**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 83

**Direction:** North

**Subject:** Drum D043 in Room 17 with hazardous waste label; OEPA 15

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 84

**Direction:** Down

**Subject:** Interior of Drum D043 containing mixed oil waste and trash

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 85

**Direction:** Northwest

**Subject:** Paint mixing tanks T019, T020, T021, T022, and T023 in Room 31; OEPA 14

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 86

**Direction:** Down

**Subject:** Paint mixing tanks T024, T025, T026 and T027 in Room 31; OEPA 14

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 87

**Date:** 10/29/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Tank T028 on cart in Room 35 with cut lid and clear liquid contents



**Site:** Meridian Automotive Systems Site

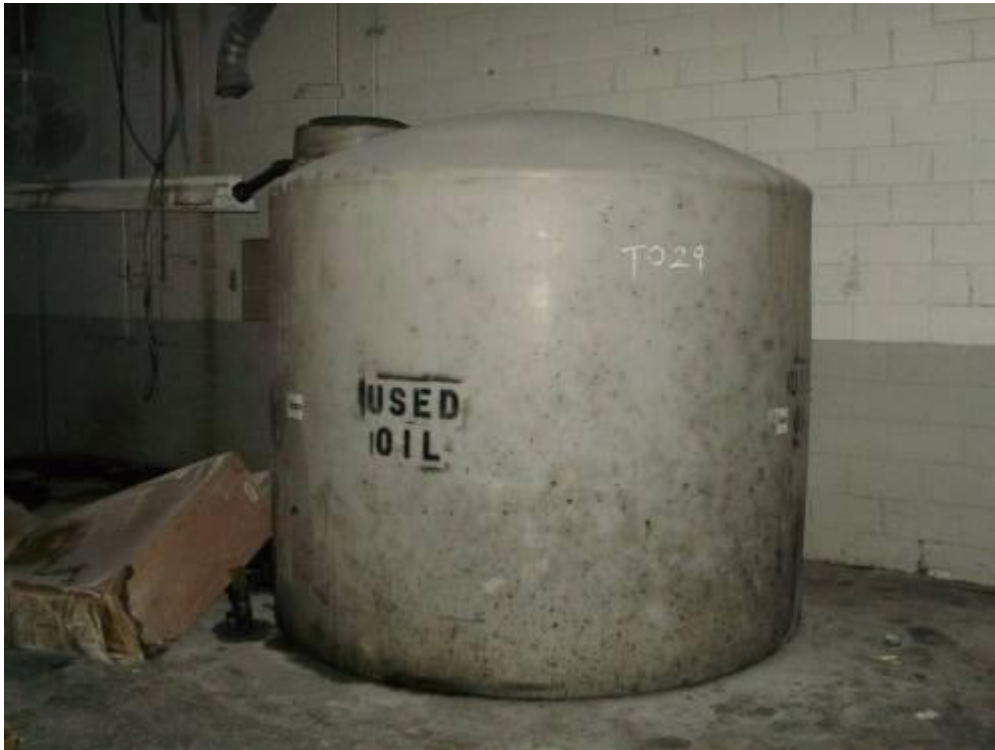
**Photograph No.:** 88

**Date:** 10/29/2009

**Direction:** East

**Photographer:** Ryan Green

**Subject:** Drum D044 in Room 17 with Pliogrip 9100 adhesive label



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 89

**Direction:** Southeast

**Subject:** Tank T029 in Room 17; labeled used oil and located next to the former press line

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 90

**Direction:** South

**Subject:** Drum D045 in Room 38 with styrene monomer and flammable labeling; OEPA 10

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 91

**Date:** 10/29/2009

**Direction:** East

**Photographer:** Ryan Green

**Subject:** Drum D046 in Room 38 with Pliogrip 9100 label; OEPA 10



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 92

**Date:** 10/29/2009

**Direction:** East

**Photographer:** Ryan Green

**Subject:** Drum D047 in Room 38 with Pliogrip 9115 label; source of sample MAS-D047-L-01; OEPA 10



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 93

**Date:** 10/29/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Drum D048 in Room 38 with Pliogrip 9115 label; OEPA 10



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 94

**Date:** 10/29/2009

**Direction:** Down

**Photographer:** Ryan Green

**Subject:** Drum D049 in Room 38 with Pliogrip 9100 label; OEPA 10



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 95

**Direction:** East

**Date:** 10/29/2009

**Photographer:** Ryan Green

**Subject:** Drum D050 in Room 38 with unknown white powder; source of sample MAS-D050-S-01-MS; OEPA 11



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 96

**Direction:** North

**Date:** 10/29/2009

**Photographer:** Ryan Green

**Subject:** Drum D051 in Area N; hazardous waste storage area in background; kerosene marking



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 97

**Direction:** North

**Subject:** Drum 052 in poly tub in former hazardous waste storage area; Room 39

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 98

**Direction:** Down

**Subject:** Drum D053 in Room 39 with Pliogrip 9100 adhesive label; OEPA 12

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 99

**Direction:** South

**Subject:** Drum D054 in Area N marked do not drink; empty and upside down

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 100

**Direction:** East

**Subject:** Insulated tank T030 marked Resin Tank 300, with water-filled secondary containment

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 101

**Date:** 10/29/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Insulated tank T031 in Area S marked Resin Tank 200; OEPA 21



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 102

**Date:** 10/29/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Insulated tank T032 in Area S marked Resin Tank 100; OEPA 21



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 103

**Date:** 10/29/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Tank T033 in Area S; no markings; content level marked in white



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 104

**Date:** 10/29/2009

**Direction:** Southwest

**Photographer:** Ryan Green

**Subject:** Tank T034 in Room 40 tank farm marked waste oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 105

**Date:** 10/29/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Tank T034 in Room 40 tank farm marked waste oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 106

**Date:** 10/29/2009

**Direction:** Southwest

**Photographer:** Ryan Green

**Subject:** Tank T041 in Room 40 tank farm marked hydraulic oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 107

**Date:** 10/29/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Tank T036 in Room 40 tank farm marked used oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 108

**Date:** 10/29/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Tank T040 in Room 40 tank farm marked hydraulic oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 109

**Date:** 10/29/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Insulated tank T037 in Room 40 tank farm marked used oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 110

**Date:** 10/29/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Insulated tank T038 in Room 40 tank farm marked used oil



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 111

**Date:** 10/29/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Insulated tank T039 in Room 40 tank farm; no markings



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 112

**Date:** 10/29/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D055 in Room 40 with Ecosorb odor management label



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 113

**Direction:** Northwest

**Subject:** Drum D056 in Room 40; residual oil in bottom

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 114

**Direction:** North

**Subject:** Drum D057 in Room 41 with oil waste; OEPA 23

**Date:** 10/29/2009

**Photographer:** Ryan Green



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 115

**Date:** 10/29/2009

**Direction:** West

**Photographer:** Ryan Green

**Subject:** Drums D058 and D059 connected on rack in Room 41; OEPA 23



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 116

**Date:** 10/29/2009

**Direction:** East

**Photographer:** Ryan Green

**Subject:** Drums D060 and D061 connected on rack in Room 41; OEPA 23



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 117

**Date:** 10/29/2009

**Direction:** Northwest

**Photographer:** Ryan Green

**Subject:** Drum D062 in Room 41 with unknown white solid inside; OEPA 23



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 118

**Date:** 10/29/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D063 in an overpack drum in Area S; contains oil waste from containment pond



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 119

**Date:** 10/29/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D064 in an overpack drum in Area S; contains oil waste from containment pond



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 120

**Date:** 10/29/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D065 in an overpack drum in Area S; contains oil waste from containment pond



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 121

**Date:** 10/29/2009

**Direction:** Northwest

**Photographer:** Ryan Green

**Subject:** Tank T042 on a trailer in Area S; suspected oil/water mixture from containment pond



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 122

**Date:** 10/29/2009

**Direction:** South

**Photographer:** Ryan Green

**Subject:** Drum D066 in Area S with combustible label; OEPA 9



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 123

**Date:** 10/29/2009

**Direction:** East

**Photographer:** Ryan Green

**Subject:** Fuel oil tanks T043, T044, and T045 right-to-left in overgrown secondary containment



**Site:** Meridian Automotive Systems Site

**Photograph No.:** 124

**Date:** 10/29/2009

**Direction:** Southeast

**Photographer:** Ryan Green

**Subject:** Fuel oil tanks T043, T044, and T045 right-to-left in overgrown secondary containment

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**APPENDIX D**

**VALIDATED LABORATORY ANALYTICAL REPORT**

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**MERIDIAN AUTOMOTIVE SERVICES SITE  
JACKSON, OHIO  
DATA VALIDATION REPORT**

**Date:** November 18, 2009

**Laboratory:** EA Group, Mentor, Ohio

**Laboratory Project #:** 091000420

**Data Validation Performed By:** Lisa Graczyk, Weston Solutions, Inc. (WESTON) Superfund  
Technical Assessment and Response Team (START)

**Weston Analytical Work Order #/TDD #:** 20405.016.001.0814.00/S05-0001-0910-022

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for four solid and ten liquid waste samples collected for the Meridian Automotive Services Site that were analyzed for the following parameters and U.S. Environmental Protection Agency (U.S. EPA) methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260B
- Toxicity Characteristic Leaching Procedure (TCLP) VOCs by SW-846 Methods 1311 and 8260B
- Polychlorinated Biphenyls (PCB) by SW-846 Method 8081
- TCLP Metals by SW-846 Methods 1311, 6010A, and 7470A
- Ignitability by SW-846 Method 1010
- Corrosivity by Standard Method 9045C

A level II data package was requested from EA Group. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review" dated October 2004. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

## VOCs by SW-846 METHOD 8260B AND TCLP VOCs BY SW-846 METHODS 1311 AND 8260B

### 1. Samples

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
MAS-P012-L-01-D	091000420-001	Liquid	10/29/2009	11/6/2009
MAS-T020-S-01	091000420-002	Solid	10/29/2009	11/6/2009
MAS-P004-L-01	091000420-003	Liquid	10/29/2009	11/4/2009
MAS-P001-L-01	091000420-004	Liquid	10/29/2009	11/4/2009
MAS-P012-L-01	091000420-005	Liquid	10/29/2009	11/7/2009
MAS-D036-L-01-MS	091000420-006	Liquid	10/29/2009	11/7/2009
MAS-P007-L-01	091000420-007	Liquid	10/29/2009	11/7/2009
MAS-P009-L-01	091000420-008	Liquid	10/29/2009	11/7/2009
MAS-D041-L-01	091000420-009	Liquid	10/29/2009	11/8/2009
MAS-T004-L-01	091000420-010	Liquid	10/29/2009	11/6/2009
MAS-D047-L-01	091000420-011	Liquid	10/29/2009	11/6/2009
MAS-S001-S-01-DP	091000420-012	Solid	10/29/2009	11/3/2009
MAS-S001-S-01	091000420-013	Solid	10/29/2009	11/4/2009
MAS-D050-S-01-MS	091000420-014	Solid	10/29/2009	11/3/2009

### 2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

### 3. Blanks

Method blanks were analyzed with the VOC analyses. The method blanks were free of target compound contamination above the reporting limit.

#### **4. Surrogate Results**

The surrogate recovery results were within the laboratory-established quality control (QC) limits except for as follows.

In sample MAS-D041-L-01, all three surrogates were diluted out and could not be recovered. No qualification is required.

In samples MAS-D036-L-01-MS and MAS-D047-L-01, the surrogate toluene-d8 was detected slightly above the QC limit. The other two surrogates were within QC limits in these samples. No qualification was applied for this slight discrepancy.

In sample MAS-P012-L-01-D, EA Group reported that toluene-d8 could not be quantified due to matrix interference. The other two surrogates had excellent recoveries. Because styrene is associated with the surrogate toluene-d8, the detected result was flagged “J” as estimated due to potential matrix interferences.

In sample MAS-D050-D-01-MS, the surrogates toluene-d8 and 4-bromofluorobenzene could not be quantified due to matrix interference. In this sample, the quantitation limits were flagged “UJ” as estimated because of apparent matrix interference.

#### **5. Laboratory Control Sample (LCS) Results**

The LCS and LCS duplicate (LCSD) recoveries were within laboratory QC limits. The relative percent differences (RPD) between the LCS and LCSD were within QC limits.

#### **6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results**

EA Group analyzed an MS and MSD using sample MAS-P004-L-01 as a spiked sample. The recoveries and RPDs were within QC limits.

#### **7. Field Duplicate Results**

Waste sample MAS-P012-L-01-D is a field duplicate of sample MAS-P012-L-01 and sample MAS-S001-S-01-DP is a field duplicate of sample MAS-S001-S-01.

The correlation between MAS-P012-L-01 and its field duplicate was somewhat poor. Styrene was detected at 2.7 milligrams per kilogram (mg/kg) in the investigative sample and 510 mg/kg in the field duplicate. Chloromethane was detected at 9.8 mg/kg in the field duplicate but was not detected in the parent sample. 1,2,4-Trimethylbenzene was detected in the parent sample at 4.2 mg/kg but was not detected in the field duplicate sample. This indicates that the material in the container from which this sample was collected is heterogeneous.

For the field duplicate pair associated with sample MAS-S001-S-01, the results were all non-detect for VOCs indicating a good correlation between the parent and its field duplicate sample.

## 8. **Overall Assessment**

The VOC data are acceptable for use as qualified based on the information received.

## PCBs BY U.S. EPA SW-846 METHOD 8081

### 1. **Samples**

The following table summarizes the samples for which this data validation was conducted.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
MAS-P012-L-01-D	091000420-001	Liquid	10/29/2009	11/4/2009	11/4/2009
MAS-P004-L-01	091000420-003	Liquid	10/29/2009	11/5/2009	11/5/2009
MAS-P001-L-01	091000420-004	Liquid	10/29/2009	11/5/2009	11/5/2009
MAS-P012-L-01	091000420-005	Liquid	10/29/2009	11/4/2009	11/4/2009
MAS-D036-L-01-MS	091000420-006	Liquid	10/29/2009	11/4/2009	11/4/2009
MAS-P007-L-01	091000420-007	Liquid	10/29/2009	11/4/2009	11/4/2009
MAS-P009-L-01	091000420-008	Liquid	10/29/2009	11/4/2009	11/4/2009

### 2. **Holding Times**

The sample was analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

### 3. **Blanks**

Method blanks were analyzed with the PCB analyses. The method blanks were free of target compound contamination.

### 4. **Surrogates**

The surrogate recoveries were within the laboratory-established QC limits for percent recovery.

### 5. **LCS Results**

The LCS results were within the laboratory-established QC limits.

## 6. **MS and MSD Results**

EA Group analyzed an MS and MSD using sample MAS-D036-L-01-MS as a spiked sample. The recoveries and RPDs were within QC limits.

## 7. **Field Duplicate Results**

Waste sample MAS-P012-L-01-D is a field duplicate of sample MAS-P012-L-01. PCBs were not detected in both these samples indicating good correlation.

## 8. **Overall Assessment**

The data are acceptable for use based on the information received.

## **TCLP METALS BY METHODS 1311, 6010A, AND 7470A**

### 1. **Samples**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
MAS-P012-L-01-D	091000420-001	Liquid	10/29/2009	11/4/2009
MAS-P004-L-01	091000420-003	Liquid	10/29/2009	11/4/2009
MAS-P001-L-01	091000420-004	Liquid	10/29/2009	11/4/2009
MAS-P012-L-01	091000420-005	Liquid	10/29/2009	11/4/2009
MAS-D036-L-01-MS	091000420-006	Liquid	10/29/2009	11/4/2009
MAS-P007-L-01	091000420-007	Liquid	10/29/2009	11/4/2009
MAS-P009-L-01	091000420-008	Liquid	10/29/2009	11/4/2009

### 2. **Holding Times**

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

### 3. **Blank Results**

A method blank was analyzed with the TCLP metals analysis. The blank was free of target analyte contamination above the reporting limits.

**4. LCS Results**

The LCS recoveries were within the laboratory-established QC limits for target analytes.

**5. MS and MSD Results**

EA Group analyzed an MS and MSD using sample MAS-D036-L-01-MS as a spiked sample. The recoveries and RPDs were within QC limits.

**6. Field Duplicate Results**

Waste sample MAS-P012-L-01-D is a field duplicate of sample MAS-P012-L-01. TCLP metals were not detected in both these samples indicating good correlation.

**7. Overall Assessment**

The TCLP metals data are acceptable for use based on the information received.

**GENERAL CHEMISTRY PARAMETERS (ignitability by SW-846 1010 and pH by SW-846 9045C)**

**1. Samples**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
MAS-T020-S-01	091000420-002	Solid	10/29/2009	11/6/2009
MAS-D041-L-01	091000420-009	Liquid	10/29/2009	11/5/2009
MAS-T004-L-01	091000420-010	Liquid	10/29/2009	11/5/2009
MAS-D047-L-01	091000420-011	Liquid	10/29/2009	11/5/2009
MAS-S001-S-01-DP	091000420-012	Solid	10/29/2009	11/6/2009
MAS-S001-S-01	091000420-013	Solid	10/29/2009	11/6/2009
MAS-D050-S-01-MS	091000420-014	Solid	10/29/2009	11/6/2009

**2. Holding Times**

All holding time limits for ignitability and pH were acceptable. There is no specific holding time limit for these analyses. The methods state that they are to be analyzed as soon as possible.

**3. Field Duplicate Results**

Waste sample MAS-S001-S-01-DP is a field duplicate of sample MAS-S001-S-01. The pH result was the same in both samples indicating excellent correlation.

**4. Laboratory Duplicate Results**

A laboratory duplicate was analyzed with the pH analyses. The duplicate RPDs were within QC limits.

**5. Overall Assessment**

The ignitability and pH data are acceptable for use based on the information received.

Data Validation Report  
Meridian Automotive Services Site  
EA Group  
Laboratory Project #: 091000420

**ATTACHMENT**

**EA GROUP  
RESULTS SUMMARY WITH QUALIFIERS**



Weston Solutions  
20 North Wacker St., #1210  
Chicago, IL 60606  
Lisa Graczyk/Frank Beodray

Client Project Meridian Auto Services SA

EA Group Project Number: 091000420

Received on October 30, 2009

The following analytical report contains results as requested for samples submitted to EA Group. The results included in this report have been reviewed for compliance with the analytical methods indicated in this report. All data has been found to be compliant with accepted laboratory protocol, except as noted in the QC narrative. Industrial hygiene reports, air and/or surface concentrations results are based upon sampling information provided by the client. Industrial hygiene results will not be blank corrected. Analyst initials of REF indicate analysis performed at a subcontract facility.

If you have questions, comments or require further assistance regarding this report, please contact your client services representative or one of the individuals listed below.

Data or reporting:

Jeff Herbert - Lab Manager  
jherbert@eagroupohio.com

Debbie Lauer - Lab Supervisor  
dlauer@eagroupohio.com

Sample tracking, supplies:

Lisa Foose - Sample Control  
sreceiving@eagroupohio.com

Mike Herbert - Supervisor  
mherbert@eagroupohio.com

Invoice Related:

Bonnie Renbarger - Office Manager  
brenbarger@eagroupohio.com

Reproduction of this report is prohibited except in its entirety. Unless noted, soil, sludge and sediment results are reported on dry weight basis. The "Sample Reporting Limit" is based on the method used for analysis and does not refer to any regulatory limit. These results relate only to the items tested.



## **Laboratory Analytical Report**

### **Weston Solutions**

20 North Wacker St., #1210

Chicago, IL 60606

Attention:

Lisa Graczyk/Frank Beodray

### **Project Identification**

Meridian Auto Services SA

**Purchase Order:**

0068936

**EA Group**

**Order Number**

0910-00420

Jeffrey A. Herbert

Laboratory Manager

November 9, 2009



Sample Receive Date 10/30/2009

Sample Listing

<u>EAG</u>		<u>Client</u>
<u>Sample Identification</u>		<u>Sample Identification</u>
091000420	- 001	MAS-P012-L-01-D
091000420	- 003	MAS-P004-L-01-
091000420	- 005	MAS-P012-L-01
091000420	- 007	MAS-P007-L-01
091000420	- 009	MAS-D041-L-01
091000420	- 011	MAS-D047-L-01
091000420	- 013	MAS-S001-S-01

<u>EAG</u>		<u>Client</u>
<u>Sample Identification</u>		<u>Sample Identification</u>
091000420	- 002	MAS-T020-S-01
091000420	- 004	MAS-P001-L-01-
091000420	- 006	MAS-D036-L-01-MS
091000420	- 008	MAS-P009-L-01
091000420	- 010	MAS-T004-L-01
091000420	- 012	MAS-S001-S-01-DP
091000420	- 014	MAS-D050-S-01-MS



## **Project Narrative 0910-00420**

All analyses performed by EA Group were done using established laboratory SOPs. Management has reviewed the data for compliance with the laboratory QA/QC plan and data have been found to be compliant with the laboratory protocols unless otherwise noted below. All results listed for this report relate only to the samples submitted on this work order.

The temperature of sample(s) upon receipt was 4.1 °C

### GC/MS Volatiles

Samples 001, 005, 006, 007, 008, 009 & 011 were tested for full VOC 's rather than TCLP VOC's because the samples were basically oils rather than solids or liquids.

### Inorganic Analyses

The pH (corrosivity) was tested using test strips due to the strong odor of the samples also being tested for the presence of VOC's. Any solvent that may have been present could compromise the pH probe had it been used.

### Misc. QC Comments

Percent Moisture is used to report results on a dry weight basis.

When necessary, reporting limits of individual samples may be raised due to high concentration of interfering compounds or target analytes, or quantity of sample available for analysis.

pH method note: If this analysis was performed in the laboratory, it may not meet the "immediate analysis" requirement that applies to most wastewater monitoring samples. In such cases, analysis for pH should be done at the time of sampling.

The results listed in this report relate only to the samples submitted to EA Group per the chain of custody.



## **Project Narrative 0910-00420**

### **Data Flag Table**

B	The method blank contained a standard laboratory contaminant (Methylene Chloride, Acetone, Hexane, Phthalates, etc.) above the standard laboratory method detection limit. If the analyte is present in the sample at a concentration up to ten times the blank level, the result is reported with a "B" indicating method blank contamination. Samples will be reported without a "B" if the analyte concentration in the sample is greater than ten times the blank level.
E	An analytical result marked with an "E" indicates the result reported is above the high end limit of the calibration curve and should be considered an estimated concentration.
DIL	Due to matrix interference or high analyte concentration, a dilution was required. The spikes and/or surrogates results could not be quantitated and therefore marked "DIL".
J	An analytical result marked with a "J" indicates the result reported was below the standard reporting limit and above the method detection limit. As the observed level approaches the MDL there is an increasing probability of a false positive response.
MI	Analytical results marked as "MI" indicate that due to inherent matrix interference, the result could not be quantitated.
#	Results flagged "#" indicate the reported result may be outside allowable permit levels as provided by the client, when applicable.
NA	A result or field marked as "NA" indicates that it was not applicable for this project.



EAG Workorder: 0910-00420

Client Project: Meridian Auto Services SA

Client ID: MAS-P012-L-01-D

Date/Time Sampled: 10/29/2009/ 1325

Received: 10/30/2009

EAG ID: 0910-00420-1

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Prep Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
Arsenic, TCLP: SW846-6010A	7440-38-2	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Barium, TCLP: SW846-6010A	7440-39-3	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Cadmium, TCLP: SW846-6010A	7440-43-9	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Chromium, TCLP: SW846-6010A	7440-47-3	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Lead, TCLP: SW846-6010A	7439-92-1	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Mercury, TCLP: SW846-7470A	7439-97-6	<0.0050	0.0050	mg/liter	11/04/2009	11/04/2009	CMB
Selenium, TCLP: SW846-6010A	7782-49-2	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Silver, TCLP: SW846-6010A	7440-22-4	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
SW846 1311: TCLP Extraction		Complete				11/02/2009	CMB

Client ID: MAS-T020-S-01

Date/Time Sampled: 10/29/2009/ 1500

Received: 10/30/2009

EAG ID: 0910-00420-2

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Prep Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
Corrosivity: SW846-9045C		4.0		pH units	11/06/2009	11/06/2009	SLD

Client ID: MAS-P004-L-01-

Date/Time Sampled: 10/29/2009/ 1310

Received: 10/30/2009

EAG ID: 0910-00420-3

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Prep Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
Arsenic, TCLP: SW846-6010A	7440-38-2	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Barium, TCLP: SW846-6010A	7440-39-3	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Cadmium, TCLP: SW846-6010A	7440-43-9	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Chromium, TCLP: SW846-6010A	7440-47-3	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Lead, TCLP: SW846-6010A	7439-92-1	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Mercury, TCLP: SW846-7470A	7439-97-6	<0.0050	0.0050	mg/liter	11/04/2009	11/04/2009	CMB
Selenium, TCLP: SW846-6010A	7782-49-2	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
Silver, TCLP: SW846-6010A	7440-22-4	<0.10	0.10	mg/liter	11/03/2009	11/04/2009	CP
SW846 1311: TCLP Extraction		Complete				11/02/2009	CMB



EAG Workorder: 0910-00420

Client Project: Meridian Auto Services SA

Client ID: MAS-P001-L-01-

Date/Time Sampled: 10/29/2009/ 1250

Received: 10/30/2009

EAG ID: 0910-00420-4

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting</u>		<u>Units</u>	<u>Prep</u>	<u>Analysis</u>	
			<u>Limit</u>			<u>Date</u>	<u>Date</u>	<u>Analyst</u>
Arsenic, TCLP: SW846-6010A	7440-38-2	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Barium, TCLP: SW846-6010A	7440-39-3	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Cadmium, TCLP: SW846-6010A	7440-43-9	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Chromium, TCLP: SW846-6010A	7440-47-3	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Lead, TCLP: SW846-6010A	7439-92-1	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Mercury, TCLP: SW846-7470A	7439-97-6	<0.0050	0.0050		mg/liter	11/04/2009	11/04/2009	CMB
Selenium, TCLP: SW846-6010A	7782-49-2	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Silver, TCLP: SW846-6010A	7440-22-4	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
SW846 1311: TCLP Extraction		Complete					11/02/2009	CMB

Client ID: MAS-P012-L-01

Date/Time Sampled: 10/29/2009/ 1325

Received: 10/30/2009

EAG ID: 0910-00420-5

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting</u>		<u>Units</u>	<u>Prep</u>	<u>Analysis</u>	
			<u>Limit</u>			<u>Date</u>	<u>Date</u>	<u>Analyst</u>
Arsenic, TCLP: SW846-6010A	7440-38-2	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Barium, TCLP: SW846-6010A	7440-39-3	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Cadmium, TCLP: SW846-6010A	7440-43-9	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Chromium, TCLP: SW846-6010A	7440-47-3	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Lead, TCLP: SW846-6010A	7439-92-1	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Mercury, TCLP: SW846-7470A	7439-97-6	<0.0050	0.0050		mg/liter	11/04/2009	11/04/2009	CMB
Selenium, TCLP: SW846-6010A	7782-49-2	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Silver, TCLP: SW846-6010A	7440-22-4	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
SW846 1311: TCLP Extraction		Complete					11/02/2009	CMB

Client ID: MAS-D036-L-01-MS

Date/Time Sampled: 10/29/2009/ 1335

Received: 10/30/2009

EAG ID: 0910-00420-6

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting</u>		<u>Units</u>	<u>Prep</u>	<u>Analysis</u>	
			<u>Limit</u>			<u>Date</u>	<u>Date</u>	<u>Analyst</u>
Arsenic, TCLP: SW846-6010A	7440-38-2	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Barium, TCLP: SW846-6010A	7440-39-3	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Cadmium, TCLP: SW846-6010A	7440-43-9	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Chromium, TCLP: SW846-6010A	7440-47-3	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Lead, TCLP: SW846-6010A	7439-92-1	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Mercury, TCLP: SW846-7470A	7439-97-6	<0.0050	0.0050		mg/liter	11/04/2009	11/04/2009	CMB
Selenium, TCLP: SW846-6010A	7782-49-2	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Silver, TCLP: SW846-6010A	7440-22-4	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
SW846 1311: TCLP Extraction		Complete					11/02/2009	CMB



EAG Workorder: 0910-00420

Client Project: Meridian Auto Services SA

Client ID: MAS-P007-L-01

Date/Time Sampled: 10/29/2009/ 1315

Received: 10/30/2009

EAG ID: 0910-00420-7

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting</u>		<u>Units</u>	<u>Prep</u>	<u>Analysis</u>	
			<u>Limit</u>			<u>Date</u>	<u>Date</u>	<u>Analyst</u>
Arsenic, TCLP: SW846-6010A	7440-38-2	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Barium, TCLP: SW846-6010A	7440-39-3	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Cadmium, TCLP: SW846-6010A	7440-43-9	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Chromium, TCLP: SW846-6010A	7440-47-3	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Lead, TCLP: SW846-6010A	7439-92-1	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Mercury, TCLP: SW846-7470A	7439-97-6	<0.0050	0.0050		mg/liter	11/04/2009	11/04/2009	CMB
Selenium, TCLP: SW846-6010A	7782-49-2	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Silver, TCLP: SW846-6010A	7440-22-4	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
SW846 1311: TCLP Extraction		Complete					11/02/2009	CMB

Client ID: MAS-P009-L-01

Date/Time Sampled: 10/29/2009/ 1320

Received: 10/30/2009

EAG ID: 0910-00420-8

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting</u>		<u>Units</u>	<u>Prep</u>	<u>Analysis</u>	
			<u>Limit</u>			<u>Date</u>	<u>Date</u>	<u>Analyst</u>
Arsenic, TCLP: SW846-6010A	7440-38-2	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Barium, TCLP: SW846-6010A	7440-39-3	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Cadmium, TCLP: SW846-6010A	7440-43-9	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Chromium, TCLP: SW846-6010A	7440-47-3	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Lead, TCLP: SW846-6010A	7439-92-1	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Mercury, TCLP: SW846-7470A	7439-97-6	<0.0050	0.0050		mg/liter	11/04/2009	11/04/2009	CMB
Selenium, TCLP: SW846-6010A	7782-49-2	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
Silver, TCLP: SW846-6010A	7440-22-4	<0.10	0.10		mg/liter	11/03/2009	11/04/2009	CP
SW846 1311: TCLP Extraction		Complete					11/02/2009	CMB

Client ID: MAS-D041-L-01

Date/Time Sampled: 10/29/2009/ 1425

Received: 10/30/2009

EAG ID: 0910-00420-9

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting</u>		<u>Units</u>	<u>Prep</u>	<u>Analysis</u>	
			<u>Limit</u>			<u>Date</u>	<u>Date</u>	<u>Analyst</u>
Flashpoint: SW846-1010M/D93		92			degrees F		11/05/2009	LJM

Client ID: MAS-T004-L-01

Date/Time Sampled: 10/29/2009/ 1445

Received: 10/30/2009

EAG ID: 0910-00420-10

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting</u>		<u>Units</u>	<u>Prep</u>	<u>Analysis</u>	
			<u>Limit</u>			<u>Date</u>	<u>Date</u>	<u>Analyst</u>
Flashpoint: SW846-1010M/D93		82			degrees F		11/05/2009	LJM

Client ID: MAS-D047-L-01

Date/Time Sampled: 10/29/2009/ 1515

Received: 10/30/2009

EAG ID: 0910-00420-11

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting</u>		<u>Units</u>	<u>Prep</u>	<u>Analysis</u>	
			<u>Limit</u>			<u>Date</u>	<u>Date</u>	<u>Analyst</u>
Flashpoint: SW846-1010M/D93		<70			degrees F		11/05/2009	LJM



## EAG GROUP

EAG Workorder: 0910-00420

Client Project: Meridian Auto Services SA

Client ID: MAS-S001-S-01-DP

Date/Time Sampled: 10/29/2009/ 1415

Received: 10/30/2009

EAG ID: 0910-00420-12

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Prep Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
Corrosivity: SW846-9045C		10.0		pH units	11/06/2009	11/06/2009	SLD

Client ID: MAS-S001-S-01

Date/Time Sampled: 10/29/2009/ 1415

Received: 10/30/2009

EAG ID: 0910-00420-13

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Prep Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
Corrosivity: SW846-9045C		10.0		pH units	11/06/2009	11/06/2009	SLD

Client ID: MAS-D050-S-01-MS

Date/Time Sampled: 10/29/2009/ 1520

Received: 10/30/2009

EAG ID: 0910-00420-14

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Prep Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
Corrosivity: SW846-9045C		8.8		pH units	11/06/2009	11/06/2009	SLD



EAG Workorder 0910-00420  
EAG ID: 0910-00420-001  
Client ID: MAS-P012-L-01-D  
Client Project: Meridian Auto Services SA

Matrix: Liquid  
Analyst LJM

Date Sampled: 10/29/2009  
Time Sampled: 1325  
Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Polychlorinated Biphenyls: SW846-8081					
Aroclor 1016	12674-11-2	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1221	11104-28-2	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1232	11141-16-5	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1242	53469-21-9	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1248	12672-29-6	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1254	11097-69-1	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1260	11096-82-5	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1268	11100-14-4	<1.0	1.0	mg/kg	11/04/2009
Extraction: SW846-3580		Complete			11/04/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	130	(30 - 150)
Decachlorobiphenyl	100	(15 - 150)



EAG Workorder 0910-00420  
EAG ID: 0910-00420-001  
Client ID: MAS-P012-L-01-D  
Client Project: Meridian Auto Services SA

Matrix: Liquid  
Analyst REC

Date Sampled: 10/29/2009  
Time Sampled: 1325  
Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic Compounds: SW846-8260A					
Acetone	67-64-1	<9.2	9.2	mg/kg	11/06/2009
Acrolein	107-02-8	<9.2	9.2	mg/kg	11/06/2009
Acrylonitrile	107-13-1	<9.2	9.2	mg/kg	11/06/2009
Benzene	71-43-2	<37	37	mg/kg	11/06/2009
Bromochloromethane	74-97-5	<1.9	1.9	mg/kg	11/06/2009
Bromodichloromethane	75-27-4	<1.9	1.9	mg/kg	11/06/2009
Bromoform	75-25-2	<37	37	mg/kg	11/06/2009
Bromomethane	74-83-9	<1.9	1.9	mg/kg	11/06/2009
Carbon disulfide	75-15-0	<1.9	1.9	mg/kg	11/06/2009
Carbon Tetrachloride	56-23-5	<1.9	1.9	mg/kg	11/06/2009
Chlorobenzene	108-90-7	<37	37	mg/kg	11/06/2009
Chloroethane	75-00-3	<1.9	1.9	mg/kg	11/06/2009
Chloroform	67-66-3	<1.9	1.9	mg/kg	11/06/2009
Chloromethane	74-87-3	9.8	1.9	mg/kg	11/06/2009
Dibromochloromethane	124-48-1	<37	37	mg/kg	11/06/2009
1,1-Dichloroethane	75-34-3	<1.9	1.9	mg/kg	11/06/2009
1,2-Dichloroethane	107-06-2	<1.9	1.9	mg/kg	11/06/2009
1,1-Dichloroethene	75-35-4	<1.9	1.9	mg/kg	11/06/2009
1,2-Dichloropropane	78-87-5	<1.9	1.9	mg/kg	11/06/2009
cis-1,2-Dichloroethene	156-59-2	<1.9	1.9	mg/kg	11/06/2009
trans-1,2-Dichloroethene	156-60-5	<1.9	1.9	mg/kg	11/06/2009
cis-1,3-Dichloropropene	10061-01-5	<1.9	1.9	mg/kg	11/06/2009
trans-1,3-Dichloropropene	10061-02-6	<1.9	1.9	mg/kg	11/06/2009
Ethylbenzene	100-41-4	<37	37	mg/kg	11/06/2009
2-Hexanone (MBK)	591-78-6	<190	190	mg/kg	11/06/2009
n-Hexane	110-54-3	<1.9	1.9	mg/kg	11/06/2009
Methylene Chloride	75-09-2	<1.9	1.9	mg/kg	11/06/2009
Methyl Ethyl Ketone (2-butanone)	78-93-3	<9.2	9.2	mg/kg	11/06/2009
Methyl Methacrylate	80-62-6	<1.9	1.9	mg/kg	11/06/2009
4-Methyl-2-Pentanone	108-10-1	<9.2	9.2	mg/kg	11/06/2009
2-Nitropropane	79-46-9	<1.9	1.9	mg/kg	11/06/2009
Pentachloroethane	76-01-7	<37	37	mg/kg	11/06/2009
Propionitrile	107-12-0	<1.9	1.9	mg/kg	11/06/2009
Styrene	100-42-5	510 J	37	mg/kg	11/06/2009
1,1,1,2-Tetrachloroethane	630-20-6	<1.9	1.9	mg/kg	11/06/2009
1,1,2,2-Tetrachloroethane	79-34-5	<37	37	mg/kg	11/06/2009
Tetrachloroethene (Tetrachloroethylene)	127-18-4	<37	37	mg/kg	11/06/2009
Toluene	108-88-3	<37	37	mg/kg	11/06/2009
1,2,4-Trichlorobenzene	120-82-1	<1.9	1.9	mg/kg	11/06/2009
1,1,1-Trichloroethane	71-55-6	<1.9	1.9	mg/kg	11/06/2009
1,1,2-Trichloroethane	79-00-5	<1.9	1.9	mg/kg	11/06/2009

2 J  
11/18/09



**EAG Workorder** 0910-00420  
**EAG ID:** 0910-00420-001  
**Client ID:** MAS-P012-L-01-D  
**Client Project:** Meridian Auto Services SA

**Matrix:** Liquid  
**Analyst** REC

**Date Sampled:** 10/29/2009  
**Time Sampled:** 1325  
**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Trichloroethene (Trichloroethylene)	79-01-6	<1.9	1.9	mg/kg	11/06/2009
Trichlorofluoromethane	75-69-4	<1.9	1.9	mg/kg	11/06/2009
1,2,3-Trichloropropane	96-18-4	<37	37	mg/kg	11/06/2009
1,1,2 Trichlorotrifluoroethane	76-13-1	<1.9	1.9	mg/kg	11/06/2009
1,2,4-Trimethylbenzene	95-63-6	<37	37	mg/kg	11/06/2009
Vinyl Acetate	108-05-4	<1.9	1.9	mg/kg	11/06/2009
Vinyl Chloride	75-01-4	<1.9	1.9	mg/kg	11/06/2009
Xylenes (Total)	1330-20-7	<74	74	mg/kg	11/06/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
4-Bromofluorobenzene	116	(76 - 119)
1,2-Dichloroethane-d4	110	(80 - 120)
Toluene-d8	MI	(83 - 118)



EAG Workorder 0910-00420  
EAG ID: 0910-00420-002  
Client ID: MAS-T020-S-01  
Client Project: Meridian Auto Services SA

Matrix: Solid  
Analyst REC

Date Sampled: 10/29/2009  
Time Sampled: 1500  
Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic TCLP: SW846-8260A					
Benzene	71-43-2	<0.10	0.10	mg/liter	11/06/2009
Carbon tetrachloride	56-23-5	<0.10	0.10	mg/liter	11/06/2009
Chlorobenzene	108-90-7	<0.10	0.10	mg/liter	11/06/2009
Chloroform	67-66-3	<0.10	0.10	mg/liter	11/06/2009
1,2-Dichloroethane	107-06-2	<0.10	0.10	mg/liter	11/06/2009
1,1-Dichloroethene	75-35-4	<0.10	0.10	mg/liter	11/06/2009
Methyl ethyl ketone(2-butanone)	78-93-3	<1.0	1.0	mg/liter	11/06/2009
Tetrachloroethylene	127-18-4	<0.10	0.10	mg/liter	11/06/2009
Trichloroethylene	79-01-6	<0.10	0.10	mg/liter	11/06/2009
Vinyl chloride	75-01-4	<0.10	0.10	mg/liter	11/06/2009
<u>Surrogate</u>		<u>Percent Recovery</u>		<u>Recovery Limits</u>	
1,2-Dichloroethane-d4		90.2		(80 - 117)	
Toluene-d8		112		(85 - 119)	
4-Bromofluorobenzene		95.5		(79 - 112)	



EAG Workorder 0910-00420  
EAG ID: 0910-00420-003  
Client ID: MAS-P004-L-01-  
Client Project: Meridian Auto Services SA

Matrix: Liquid  
Analyst LJM

Date Sampled: 10/29/2009  
Time Sampled: 1310  
Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Polychlorinated Biphenyls: SW846-8081					
Aroclor 1016	12674-11-2	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1221	11104-28-2	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1232	11141-16-5	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1242	53469-21-9	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1248	12672-29-6	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1254	11097-69-1	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1260	11096-82-5	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1268	11100-14-4	<0.50	0.50	ug/liter	11/05/2009
Extraction: SW846-3510		Complete			11/05/2009
<u>Surrogate</u>		<u>Percent Recovery</u>		<u>Recovery Limits</u>	
Tetrachloro-m-Xylene		71.0		(30 - 130)	
Decachlorobiphenyl		56.2		(15 - 140)	



EAG Workorder 0910-00420

EAG ID: 0910-00420-003

Client ID: MAS-P004-L-01-

Client Project: Meridian Auto Services SA

Matrix: Liquid

Analyst REC

Date Sampled: 10/29/2009

Time Sampled: 1310

Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic TCLP: SW846-8260A					
Benzene	71-43-2	<0.10	0.10	mg/liter	11/04/2009
Carbon tetrachloride	56-23-5	<0.10	0.10	mg/liter	11/04/2009
Chlorobenzene	108-90-7	<0.10	0.10	mg/liter	11/04/2009
Chloroform	67-66-3	<0.10	0.10	mg/liter	11/04/2009
1,2-Dichloroethane	107-06-2	<0.10	0.10	mg/liter	11/04/2009
1,1-Dichloroethene	75-35-4	<0.10	0.10	mg/liter	11/04/2009
Methyl ethyl ketone(2-butanone)	78-93-3	<1.0	1.0	mg/liter	11/04/2009
Tetrachloroethylene	127-18-4	<0.10	0.10	mg/liter	11/04/2009
Trichloroethylene	79-01-6	<0.10	0.10	mg/liter	11/04/2009
Vinyl chloride	75-01-4	<0.10	0.10	mg/liter	11/04/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	90.3	(80 - 117)
Toluene-d8	111	(85 - 119)
4-Bromofluorobenzene	106	(79 - 112)



**EAG Workorder** 0910-00420  
**EAG ID:** 0910-00420-004  
**Client ID:** MAS-P001-L-01-  
**Client Project:** Meridian Auto Services SA

**Matrix:** Liquid  
**Analyst** LJM

**Date Sampled:** 10/29/2009  
**Time Sampled:** 1250  
**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Polychlorinated Biphenyls: SW846-8081					
Aroclor 1016	12674-11-2	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1221	11104-28-2	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1232	11141-16-5	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1242	53469-21-9	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1248	12672-29-6	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1254	11097-69-1	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1260	11096-82-5	<0.50	0.50	ug/liter	11/05/2009
Aroclor 1268	11100-14-4	<0.50	0.50	ug/liter	11/05/2009
Extraction: SW846-3510		Complete			11/05/2009
<u>Surrogate</u>		<u>Percent Recovery</u>	<u>Recovery Limits</u>		
Tetrachloro-m-Xylene		85.0	(30 - 130)		
Decachlorobiphenyl		85.3	(15 - 140)		



EAG Workorder 0910-00420  
EAG ID: 0910-00420-004  
Client ID: MAS-P001-L-01-  
Client Project: Meridian Auto Services SA

Matrix: Liquid  
Analyst REC

Date Sampled: 10/29/2009  
Time Sampled: 1250  
Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic TCLP: SW846-8260A					
Benzene	71-43-2	<0.10	0.10	mg/liter	11/04/2009
Carbon tetrachloride	56-23-5	<0.10	0.10	mg/liter	11/04/2009
Chlorobenzene	108-90-7	<0.10	0.10	mg/liter	11/04/2009
Chloroform	67-66-3	<0.10	0.10	mg/liter	11/04/2009
1,2-Dichloroethane	107-06-2	<0.10	0.10	mg/liter	11/04/2009
1,1-Dichloroethene	75-35-4	<0.10	0.10	mg/liter	11/04/2009
Methyl ethyl ketone(2-butanone)	78-93-3	<1.0	1.0	mg/liter	11/04/2009
Tetrachloroethylene	127-18-4	<0.10	0.10	mg/liter	11/04/2009
Trichloroethylene	79-01-6	<0.10	0.10	mg/liter	11/04/2009
Vinyl chloride	75-01-4	<0.10	0.10	mg/liter	11/04/2009
<u>Surrogate</u>		<u>Percent Recovery</u>		<u>Recovery Limits</u>	
1,2-Dichloroethane-d4		98.3		(80 - 117)	
Toluene-d8		109		(85 - 119)	
4-Bromofluorobenzene		104		(79 - 112)	



**EAG Workorder** 0910-00420

**EAG ID:** 0910-00420-005

**Client ID:** MAS-P012-L-01

**Client Project:** Meridian Auto Services SA

**Matrix:** Liquid

**Analyst** LJM

**Date Sampled:** 10/29/2009

**Time Sampled:** 1325

**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Polychlorinated Biphenyls: SW846-8081					
Aroclor 1016	12674-11-2	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1221	11104-28-2	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1232	11141-16-5	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1242	53469-21-9	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1248	12672-29-6	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1254	11097-69-1	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1260	11096-82-5	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1268	11100-14-4	<1.0	1.0	mg/kg	11/04/2009
Extraction: SW846-3580		Complete			11/04/2009
<u>Surrogate</u>		<u>Percent Recovery</u>		<u>Recovery Limits</u>	
Tetrachloro-m-xylene		115		(30 - 150)	
Decachlorobiphenyl		97.7		(15 - 150)	



**EAG Workorder** 0910-00420  
**EAG ID:** 0910-00420-005  
**Client ID:** MAS-P012-L-01  
**Client Project:** Meridian Auto Services SA

**Matrix:** Liquid  
**Analyst** REC

**Date Sampled:** 10/29/2009  
**Time Sampled:** 1325  
**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic Compounds: SW846-8260A					
Acetone	67-64-1	<10	10	mg/kg	11/07/2009
Acrolein	107-02-8	<10	10	mg/kg	11/07/2009
Acrylonitrile	107-13-1	<10	10	mg/kg	11/07/2009
Benzene	71-43-2	<2.0	2.0	mg/kg	11/07/2009
Bromochloromethane	74-97-5	<2.0	2.0	mg/kg	11/07/2009
Bromodichloromethane	75-27-4	<2.0	2.0	mg/kg	11/07/2009
Bromoform	75-25-2	<2.0	2.0	mg/kg	11/07/2009
Bromomethane	74-83-9	<2.0	2.0	mg/kg	11/07/2009
Carbon disulfide	75-15-0	<2.0	2.0	mg/kg	11/07/2009
Carbon Tetrachloride	56-23-5	<2.0	2.0	mg/kg	11/07/2009
Chlorobenzene	108-90-7	<2.0	2.0	mg/kg	11/07/2009
Chloroethane	75-00-3	<2.0	2.0	mg/kg	11/07/2009
Chloroform	67-66-3	<2.0	2.0	mg/kg	11/07/2009
Chloromethane	74-87-3	<2.0	2.0	mg/kg	11/07/2009
Dibromochloromethane	124-48-1	<2.0	2.0	mg/kg	11/07/2009
1,1-Dichloroethane	75-34-3	<2.0	2.0	mg/kg	11/07/2009
1,2-Dichloroethane	107-06-2	<2.0	2.0	mg/kg	11/07/2009
1,1-Dichloroethene	75-35-4	<2.0	2.0	mg/kg	11/07/2009
1,2-Dichloropropane	78-87-5	<2.0	2.0	mg/kg	11/07/2009
cis-1,2-Dichloroethene	156-59-2	<2.0	2.0	mg/kg	11/07/2009
trans-1,2-Dichloroethene	156-60-5	<2.0	2.0	mg/kg	11/07/2009
cis-1,3-Dichloropropene	10061-01-5	<2.0	2.0	mg/kg	11/07/2009
trans-1,3-Dichloropropene	10061-02-6	<2.0	2.0	mg/kg	11/07/2009
Ethylbenzene	100-41-4	<2.0	2.0	mg/kg	11/07/2009
2-Hexanone (MBK)	591-78-6	<10	10	mg/kg	11/07/2009
n-Hexane	110-54-3	<2.0	2.0	mg/kg	11/07/2009
Methylene Chloride	75-09-2	<2.0	2.0	mg/kg	11/07/2009
Methyl Ethyl Ketone (2-butanone)	78-93-3	<10	10	mg/kg	11/07/2009
Methyl Methacrylate	80-62-6	<2.0	2.0	mg/kg	11/07/2009
4-Methyl-2-Pentanone	108-10-1	<10	10	mg/kg	11/07/2009
2-Nitropropane	79-46-9	<2.0	2.0	mg/kg	11/07/2009
Pentachloroethane	76-01-7	<2.0	2.0	mg/kg	11/07/2009
Propionitrile	107-12-0	<2.0	2.0	mg/kg	11/07/2009
Styrene	100-42-5	2.7	2.0	mg/kg	11/07/2009
1,1,1,2-Tetrachloroethane	630-20-6	<2.0	2.0	mg/kg	11/07/2009
1,1,2,2-Tetrachloroethane	79-34-5	<2.0	2.0	mg/kg	11/07/2009
Tetrachloroethene (Tetrachloroethylene)	127-18-4	<2.0	2.0	mg/kg	11/07/2009
Toluene	108-88-3	<2.0	2.0	mg/kg	11/07/2009
1,2,4-Trichlorobenzene	120-82-1	<2.0	2.0	mg/kg	11/07/2009
1,1,1-Trichloroethane	71-55-6	<2.0	2.0	mg/kg	11/07/2009
1,1,2-Trichloroethane	79-00-5	<2.0	2.0	mg/kg	11/07/2009



EAG Workorder 0910-00420

EAG ID: 0910-00420-005

Client ID: MAS-P012-L-01

Client Project: Meridian Auto Services SA

Matrix: Liquid

Analyst REC

Date Sampled: 10/29/2009

Time Sampled: 1325

Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Trichloroethene (Trichloroethylene)	79-01-6	<2.0	2.0	mg/kg	11/07/2009
Trichlorofluoromethane	75-69-4	<2.0	2.0	mg/kg	11/07/2009
1,2,3-Trichloropropane	96-18-4	<2.0	2.0	mg/kg	11/07/2009
1,1,2 Trichlorotrifluoroethane	76-13-1	<2.0	2.0	mg/kg	11/07/2009
1,2,4-Trimethylbenzene	95-63-6	4.2	2.0	mg/kg	11/07/2009
Vinyl Acetate	108-05-4	<2.0	2.0	mg/kg	11/07/2009
Vinyl Chloride	75-01-4	<2.0	2.0	mg/kg	11/07/2009
Xylenes (Total)	1330-20-7	<4.0	4.0	mg/kg	11/07/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
4-Bromofluorobenzene	95.8	(76 - 119)
1,2-Dichloroethane-d4	79.2	(80 - 120)
Toluene-d8	96.7	(83 - 118)



EAG Workorder 0910-00420  
EAG ID: 0910-00420-006  
Client ID: MAS-D036-L-01-MS  
Client Project: Meridian Auto Services SA

Matrix: Liquid  
Analyst LJM

Date Sampled: 10/29/2009  
Time Sampled: 1335  
Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Polychlorinated Biphenyls: SW846-8081					
Aroclor 1016	12674-11-2	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1221	11104-28-2	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1232	11141-16-5	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1242	53469-21-9	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1248	12672-29-6	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1254	11097-69-1	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1260	11096-82-5	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1268	11100-14-4	<1.0	1.0	mg/kg	11/04/2009
Extraction: SW846-3580		Complete			11/04/2009
<u>Surrogate</u>		<u>Percent Recovery</u>		<u>Recovery Limits</u>	
Tetrachloro-m-xylene		111		(30 - 150)	
Decachlorobiphenyl		96.2		(15 - 150)	



**EAG Workorder** 0910-00420  
**EAG ID:** 0910-00420-006  
**Client ID:** MAS-D036-L-01-MS  
**Client Project:** Meridian Auto Services SA

**Matrix:** Liquid  
**Analyst** REC

**Date Sampled:** 10/29/2009  
**Time Sampled:** 1335  
**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic Compounds: SW846-8260A					
Acetone	67-64-1	<7.2	7.2	mg/kg	11/07/2009
Acrolein	107-02-8	<7.2	7.2	mg/kg	11/07/2009
Acrylonitrile	107-13-1	<7.2	7.2	mg/kg	11/07/2009
Benzene	71-43-2	<1.5	1.5	mg/kg	11/07/2009
Bromochloromethane	74-97-5	<1.5	1.5	mg/kg	11/07/2009
Bromodichloromethane	75-27-4	<1.5	1.5	mg/kg	11/07/2009
Bromoform	75-25-2	<1.5	1.5	mg/kg	11/07/2009
Bromomethane	74-83-9	<1.5	1.5	mg/kg	11/07/2009
Carbon disulfide	75-15-0	<1.5	1.5	mg/kg	11/07/2009
Carbon Tetrachloride	56-23-5	<1.5	1.5	mg/kg	11/07/2009
Chlorobenzene	108-90-7	<1.5	1.5	mg/kg	11/07/2009
Chloroethane	75-00-3	<1.5	1.5	mg/kg	11/07/2009
Chloroform	67-66-3	<1.5	1.5	mg/kg	11/07/2009
Chloromethane	74-87-3	<1.5	1.5	mg/kg	11/07/2009
Dibromochloromethane	124-48-1	<1.5	1.5	mg/kg	11/07/2009
1,1-Dichloroethane	75-34-3	<1.5	1.5	mg/kg	11/07/2009
1,2-Dichloroethane	107-06-2	<1.5	1.5	mg/kg	11/07/2009
1,1-Dichloroethene	75-35-4	<1.5	1.5	mg/kg	11/07/2009
1,2-Dichloropropane	78-87-5	<1.5	1.5	mg/kg	11/07/2009
cis-1,2-Dichloroethene	156-59-2	<1.5	1.5	mg/kg	11/07/2009
trans-1,2-Dichloroethene	156-60-5	<1.5	1.5	mg/kg	11/07/2009
cis-1,3-Dichloropropene	10061-01-5	<1.5	1.5	mg/kg	11/07/2009
trans-1,3-Dichloropropene	10061-02-6	<1.5	1.5	mg/kg	11/07/2009
Ethylbenzene	100-41-4	34	1.5	mg/kg	11/07/2009
2-Hexanone (MBK)	591-78-6	<7.2	7.2	mg/kg	11/07/2009
n-Hexane	110-54-3	<1.5	1.5	mg/kg	11/07/2009
Methylene Chloride	75-09-2	<1.5	1.5	mg/kg	11/07/2009
Methyl Ethyl Ketone (2-butanone)	78-93-3	<7.2	7.2	mg/kg	11/07/2009
Methyl Methacrylate	80-62-6	<1.5	1.5	mg/kg	11/07/2009
4-Methyl-2-Pentanone	108-10-1	<7.2	7.2	mg/kg	11/07/2009
2-Nitropropane	79-46-9	<1.5	1.5	mg/kg	11/07/2009
Pentachloroethane	76-01-7	<1.5	1.5	mg/kg	11/07/2009
Propionitrile	107-12-0	<1.5	1.5	mg/kg	11/07/2009
Styrene	100-42-5	2.2	1.5	mg/kg	11/07/2009
1,1,1,2-Tetrachloroethane	630-20-6	<1.5	1.5	mg/kg	11/07/2009
1,1,2,2-Tetrachloroethane	79-34-5	<1.5	1.5	mg/kg	11/07/2009
Tetrachloroethene (Tetrachloroethylene)	127-18-4	<1.5	1.5	mg/kg	11/07/2009
Toluene	108-88-3	<1.5	1.5	mg/kg	11/07/2009
1,2,4-Trichlorobenzene	120-82-1	<1.5	1.5	mg/kg	11/07/2009
1,1,1-Trichloroethane	71-55-6	<1.5	1.5	mg/kg	11/07/2009
1,1,2-Trichloroethane	79-00-5	<1.5	1.5	mg/kg	11/07/2009



EAG Workorder 0910-00420  
EAG ID: 0910-00420-006  
Client ID: MAS-D036-L-01-MS  
Client Project: Meridian Auto Services SA

Matrix: Liquid  
Analyst REC

Date Sampled: 10/29/2009  
Time Sampled: 1335  
Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Trichloroethene (Trichloroethylene)	79-01-6	<1.5	1.5	mg/kg	11/07/2009
Trichlorofluoromethane	75-69-4	<1.5	1.5	mg/kg	11/07/2009
1,2,3-Trichloropropane	96-18-4	<1.5	1.5	mg/kg	11/07/2009
1,1,2 Trichlorotrifluoroethane	76-13-1	<1.5	1.5	mg/kg	11/07/2009
1,2,4-Trimethylbenzene	95-63-6	<1.5	1.5	mg/kg	11/07/2009
Vinyl Acetate	108-05-4	<1.5	1.5	mg/kg	11/07/2009
Vinyl Chloride	75-01-4	<1.5	1.5	mg/kg	11/07/2009
Xylenes (Total)	1330-20-7	<3.0	3.0	mg/kg	11/07/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
4-Bromofluorobenzene	89.2	(76 - 119)
1,2-Dichloroethane-d4	95.8	(80 - 120)
Toluene-d8	123	(83 - 118)



**EAG Workorder** 0910-00420

**EAG ID:** 0910-00420-007

**Client ID:** MAS-P007-L-01

**Client Project:** Meridian Auto Services SA

**Matrix:** Liquid

**Analyst** LJM

**Date Sampled:** 10/29/2009

**Time Sampled:** 1315

**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Polychlorinated Biphenyls: SW846-8081					
Aroclor 1016	12674-11-2	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1221	11104-28-2	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1232	11141-16-5	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1242	53469-21-9	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1248	12672-29-6	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1254	11097-69-1	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1260	11096-82-5	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1268	11100-14-4	<1.0	1.0	mg/kg	11/04/2009
Extraction: SW846-3580		Complete			11/04/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	108	(30 - 150)
Decachlorobiphenyl	94.8	(15 - 150)



EAG Workorder 0910-00420  
EAG ID: 0910-00420-007  
Client ID: MAS-P007-L-01  
Client Project: Meridian Auto Services SA

Matrix: Liquid  
Analyst REC

Date Sampled: 10/29/2009  
Time Sampled: 1315  
Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic Compounds: SW846-8260A					
Acetone	67-64-1	<6.0	6.0	mg/kg	11/07/2009
Acrolein	107-02-8	<6.0	6.0	mg/kg	11/07/2009
Acrylonitrile	107-13-1	<6.0	6.0	mg/kg	11/07/2009
Benzene	71-43-2	<1.2	1.2	mg/kg	11/07/2009
Bromochloromethane	74-97-5	<1.2	1.2	mg/kg	11/07/2009
Bromodichloromethane	75-27-4	<1.2	1.2	mg/kg	11/07/2009
Bromoform	75-25-2	<1.2	1.2	mg/kg	11/07/2009
Bromomethane	74-83-9	<1.2	1.2	mg/kg	11/07/2009
Carbon disulfide	75-15-0	<1.2	1.2	mg/kg	11/07/2009
Carbon Tetrachloride	56-23-5	<1.2	1.2	mg/kg	11/07/2009
Chlorobenzene	108-90-7	<1.2	1.2	mg/kg	11/07/2009
Chloroethane	75-00-3	<1.2	1.2	mg/kg	11/07/2009
Chloroform	67-66-3	<1.2	1.2	mg/kg	11/07/2009
Chloromethane	74-87-3	<1.2	1.2	mg/kg	11/07/2009
Dibromochloromethane	124-48-1	<1.2	1.2	mg/kg	11/07/2009
1,1-Dichloroethane	75-34-3	<1.2	1.2	mg/kg	11/07/2009
1,2-Dichloroethane	107-06-2	<1.2	1.2	mg/kg	11/07/2009
1,1-Dichloroethene	75-35-4	<1.2	1.2	mg/kg	11/07/2009
1,2-Dichloropropane	78-87-5	<1.2	1.2	mg/kg	11/07/2009
cis-1,2-Dichloroethene	156-59-2	<1.2	1.2	mg/kg	11/07/2009
trans-1,2-Dichloroethene	156-60-5	<1.2	1.2	mg/kg	11/07/2009
cis-1,3-Dichloropropene	10061-01-5	<1.2	1.2	mg/kg	11/07/2009
trans-1,3-Dichloropropene	10061-02-6	<1.2	1.2	mg/kg	11/07/2009
Ethylbenzene	100-41-4	1.6	1.2	mg/kg	11/07/2009
2-Hexanone (MBK)	591-78-6	<6.0	6.0	mg/kg	11/07/2009
n-Hexane	110-54-3	<1.2	1.2	mg/kg	11/07/2009
Methylene Chloride	75-09-2	<1.2	1.2	mg/kg	11/07/2009
Methyl Ethyl Ketone (2-butanone)	78-93-3	<6.0	6.0	mg/kg	11/07/2009
Methyl Methacrylate	80-62-6	<1.2	1.2	mg/kg	11/07/2009
4-Methyl-2-Pentanone	108-10-1	<6.0	6.0	mg/kg	11/07/2009
2-Nitropropane	79-46-9	<1.2	1.2	mg/kg	11/07/2009
Pentachloroethane	76-01-7	<1.2	1.2	mg/kg	11/07/2009
Propionitrile	107-12-0	<1.2	1.2	mg/kg	11/07/2009
Styrene	100-42-5	<1.2	1.2	mg/kg	11/07/2009
1,1,1,2-Tetrachloroethane	630-20-6	<1.2	1.2	mg/kg	11/07/2009
1,1,2,2-Tetrachloroethane	79-34-5	<1.2	1.2	mg/kg	11/07/2009
Tetrachloroethene (Tetrachloroethylene)	127-18-4	<1.2	1.2	mg/kg	11/07/2009
Toluene	108-88-3	<1.2	1.2	mg/kg	11/07/2009
1,2,4-Trichlorobenzene	120-82-1	<1.2	1.2	mg/kg	11/07/2009
1,1,1-Trichloroethane	71-55-6	<1.2	1.2	mg/kg	11/07/2009
1,1,2-Trichloroethane	79-00-5	<1.2	1.2	mg/kg	11/07/2009



**EAG Workorder** 0910-00420

**EAG ID:** 0910-00420-007

**Client ID:** MAS-P007-L-01

**Client Project:** Meridian Auto Services SA

**Matrix:** Liquid

**Analyst** REC

**Date Sampled:** 10/29/2009

**Time Sampled:** 1315

**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Trichloroethene (Trichloroethylene)	79-01-6	<1.2	1.2	mg/kg	11/07/2009
Trichlorofluoromethane	75-69-4	<1.2	1.2	mg/kg	11/07/2009
1,2,3-Trichloropropane	96-18-4	<1.2	1.2	mg/kg	11/07/2009
1,1,2 Trichlorotrifluoroethane	76-13-1	<1.2	1.2	mg/kg	11/07/2009
1,2,4-Trimethylbenzene	95-63-6	<1.2	1.2	mg/kg	11/07/2009
Vinyl Acetate	108-05-4	<1.2	1.2	mg/kg	11/07/2009
Vinyl Chloride	75-01-4	<1.2	1.2	mg/kg	11/07/2009
Xylenes (Total)	1330-20-7	<2.4	2.4	mg/kg	11/07/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
4-Bromofluorobenzene	106	(76 - 119)
1,2-Dichloroethane-d4	87.1	(80 - 120)
Toluene-d8	107	(83 - 118)



EAG Workorder 0910-00420  
EAG ID: 0910-00420-008  
Client ID: MAS-P009-L-01  
Client Project: Meridian Auto Services SA

Matrix: Liquid  
Analyst LJM

Date Sampled: 10/29/2009  
Time Sampled: 1320  
Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Polychlorinated Biphenyls: SW846-8081					
Aroclor 1016	12674-11-2	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1221	11104-28-2	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1232	11141-16-5	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1242	53469-21-9	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1248	12672-29-6	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1254	11097-69-1	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1260	11096-82-5	<1.0	1.0	mg/kg	11/04/2009
Aroclor 1268	11100-14-4	<1.0	1.0	mg/kg	11/04/2009
Extraction: SW846-3580		Complete			11/04/2009
<u>Surrogate</u>		<u>Percent Recovery</u>		<u>Recovery Limits</u>	
Tetrachloro-m-xylene		109		(30 - 150)	
Decachlorobiphenyl		93.2		(15 - 150)	



**EAG Workorder** 0910-00420  
**EAG ID:** 0910-00420-008  
**Client ID:** MAS-P009-L-01  
**Client Project:** Meridian Auto Services SA

**Matrix:** Liquid  
**Analyst** REC

**Date Sampled:** 10/29/2009  
**Time Sampled:** 1320  
**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic Compounds: SW846-8260A					
Acetone	67-64-1	<5.4	5.4	mg/kg	11/07/2009
Acrolein	107-02-8	<5.4	5.4	mg/kg	11/07/2009
Acrylonitrile	107-13-1	<5.4	5.4	mg/kg	11/07/2009
Benzene	71-43-2	<1.1	1.1	mg/kg	11/07/2009
Bromochloromethane	74-97-5	<1.1	1.1	mg/kg	11/07/2009
Bromodichloromethane	75-27-4	<1.1	1.1	mg/kg	11/07/2009
Bromoform	75-25-2	<1.1	1.1	mg/kg	11/07/2009
Bromomethane	74-83-9	<1.1	1.1	mg/kg	11/07/2009
Carbon disulfide	75-15-0	<1.1	1.1	mg/kg	11/07/2009
Carbon Tetrachloride	56-23-5	<1.1	1.1	mg/kg	11/07/2009
Chlorobenzene	108-90-7	<1.1	1.1	mg/kg	11/07/2009
Chloroethane	75-00-3	<1.1	1.1	mg/kg	11/07/2009
Chloroform	67-66-3	<1.1	1.1	mg/kg	11/07/2009
Chloromethane	74-87-3	<1.1	1.1	mg/kg	11/07/2009
Dibromochloromethane	124-48-1	<1.1	1.1	mg/kg	11/07/2009
1,1-Dichloroethane	75-34-3	<1.1	1.1	mg/kg	11/07/2009
1,2-Dichloroethane	107-06-2	<1.1	1.1	mg/kg	11/07/2009
1,1-Dichloroethene	75-35-4	<1.1	1.1	mg/kg	11/07/2009
1,2-Dichloropropane	78-87-5	<1.1	1.1	mg/kg	11/07/2009
cis-1,2-Dichloroethene	156-59-2	<1.1	1.1	mg/kg	11/07/2009
trans-1,2-Dichloroethene	156-60-5	<1.1	1.1	mg/kg	11/07/2009
cis-1,3-Dichloropropene	10061-01-5	<1.1	1.1	mg/kg	11/07/2009
trans-1,3-Dichloropropene	10061-02-6	<1.1	1.1	mg/kg	11/07/2009
Ethylbenzene	100-41-4	<1.1	1.1	mg/kg	11/07/2009
2-Hexanone (MBK)	591-78-6	<5.4	5.4	mg/kg	11/07/2009
n-Hexane	110-54-3	<1.1	1.1	mg/kg	11/07/2009
Methylene Chloride	75-09-2	<1.1	1.1	mg/kg	11/07/2009
Methyl Ethyl Ketone (2-butanone)	78-93-3	<5.4	5.4	mg/kg	11/07/2009
Methyl Methacrylate	80-62-6	<1.1	1.1	mg/kg	11/07/2009
4-Methyl-2-Pentanone	108-10-1	<5.4	5.4	mg/kg	11/07/2009
2-Nitropropane	79-46-9	<1.1	1.1	mg/kg	11/07/2009
Pentachloroethane	76-01-7	<1.1	1.1	mg/kg	11/07/2009
Propionitrile	107-12-0	<1.1	1.1	mg/kg	11/07/2009
Styrene	100-42-5	<1.1	1.1	mg/kg	11/07/2009
1,1,1,2-Tetrachloroethane	630-20-6	<1.1	1.1	mg/kg	11/07/2009
1,1,2,2-Tetrachloroethane	79-34-5	<1.1	1.1	mg/kg	11/07/2009
Tetrachloroethene (Tetrachloroethylene)	127-18-4	<1.1	1.1	mg/kg	11/07/2009
Toluene	108-88-3	<1.1	1.1	mg/kg	11/07/2009
1,2,4-Trichlorobenzene	120-82-1	<1.1	1.1	mg/kg	11/07/2009
1,1,1-Trichloroethane	71-55-6	<1.1	1.1	mg/kg	11/07/2009
1,1,2-Trichloroethane	79-00-5	<1.1	1.1	mg/kg	11/07/2009



**EAG Workorder** 0910-00420

**EAG ID:** 0910-00420-008

**Client ID:** MAS-P009-L-01

**Client Project:** Meridian Auto Services SA

**Matrix:** Liquid

**Analyst** REC

**Date Sampled:** 10/29/2009

**Time Sampled:** 1320

**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Trichloroethene (Trichloroethylene)	79-01-6	<1.1	1.1	mg/kg	11/07/2009
Trichlorofluoromethane	75-69-4	<1.1	1.1	mg/kg	11/07/2009
1,2,3-Trichloropropane	96-18-4	<1.1	1.1	mg/kg	11/07/2009
1,1,2 Trichlorotrifluoroethane	76-13-1	<1.1	1.1	mg/kg	11/07/2009
1,2,4-Trimethylbenzene	95-63-6	<1.1	1.1	mg/kg	11/07/2009
Vinyl Acetate	108-05-4	<1.1	1.1	mg/kg	11/07/2009
Vinyl Chloride	75-01-4	<1.1	1.1	mg/kg	11/07/2009
Xylenes (Total)	1330-20-7	<2.2	2.2	mg/kg	11/07/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
4-Bromofluorobenzene	95.6	(76 - 119)
1,2-Dichloroethane-d4	85.6	(80 - 120)
Toluene-d8	106	(83 - 118)



EAG Workorder 0910-00420  
 EAG ID: 0910-00420-009  
 Client ID: MAS-D041-L-01  
 Client Project: Meridian Auto Services SA

Matrix: Liquid  
 Analyst REC

Date Sampled: 10/29/2009  
 Time Sampled: 1425  
 Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic Compounds: SW846-8260A					
Acetone	67-64-1	<4100	4100	mg/kg	11/08/2009
Acrolein	107-02-8	<4100	4100	mg/kg	11/08/2009
Acrylonitrile	107-13-1	<4100	4100	mg/kg	11/08/2009
Benzene	71-43-2	<82000	82000	mg/kg	11/06/2009
Bromochloromethane	74-97-5	<820	820	mg/kg	11/08/2009
Bromodichloromethane	75-27-4	<820	820	mg/kg	11/08/2009
Bromoform	75-25-2	<82000	82000	mg/kg	11/06/2009
Bromomethane	74-83-9	<820	820	mg/kg	11/08/2009
Carbon disulfide	75-15-0	<820	820	mg/kg	11/08/2009
Carbon Tetrachloride	56-23-5	<820	820	mg/kg	11/08/2009
Chlorobenzene	108-90-7	<82000	82000	mg/kg	11/06/2009
Chloroethane	75-00-3	<820	820	mg/kg	11/08/2009
Chloroform	67-66-3	<820	820	mg/kg	11/08/2009
<b>Chloromethane</b>	74-87-3	<b>2400</b>	820	mg/kg	11/08/2009
Dibromochloromethane	124-48-1	<82000	82000	mg/kg	11/06/2009
1,1-Dichloroethane	75-34-3	<820	820	mg/kg	11/08/2009
1,2-Dichloroethane	107-06-2	<820	820	mg/kg	11/08/2009
1,1-Dichloroethene	75-35-4	<820	820	mg/kg	11/08/2009
1,2-Dichloropropane	78-87-5	<820	820	mg/kg	11/08/2009
cis-1,2-Dichloroethene	156-59-2	<820	820	mg/kg	11/08/2009
trans-1,2-Dichloroethene	156-60-5	<820	820	mg/kg	11/08/2009
cis-1,3-Dichloropropene	10061-01-5	<820	820	mg/kg	11/08/2009
trans-1,3-Dichloropropene	10061-02-6	<820	820	mg/kg	11/08/2009
Ethylbenzene	100-41-4	<82000	82000	mg/kg	11/06/2009
2-Hexanone (MBK)	591-78-6	<410000	410000	mg/kg	11/06/2009
n-Hexane	110-54-3	<820	820	mg/kg	11/08/2009
Methylene Chloride	75-09-2	<820	820	mg/kg	11/08/2009
Methyl Ethyl Ketone (2-butanone)	78-93-3	<4100	4100	mg/kg	11/08/2009
Methyl Methacrylate	80-62-6	<820	820	mg/kg	11/08/2009
4-Methyl-2-Pentanone	108-10-1	<4100	4100	mg/kg	11/08/2009
2-Nitropropane	79-46-9	<820	820	mg/kg	11/08/2009
Pentachloroethane	76-01-7	<82000	82000	mg/kg	11/06/2009
Propionitrile	107-12-0	<820	820	mg/kg	11/08/2009
<b>Styrene</b>	100-42-5	<b>170000</b>	82000	mg/kg	11/06/2009
1,1,1,2-Tetrachloroethane	630-20-6	<820	820	mg/kg	11/08/2009
1,1,2,2-Tetrachloroethane	79-34-5	<82000	82000	mg/kg	11/06/2009
Tetrachloroethene (Tetrachloroethylene)	127-18-4	<82000	82000	mg/kg	11/06/2009
Toluene	108-88-3	<82000	82000	mg/kg	11/06/2009
1,2,4-Trichlorobenzene	120-82-1	<820	820	mg/kg	11/08/2009
1,1,1-Trichloroethane	71-55-6	<820	820	mg/kg	11/08/2009
1,1,2-Trichloroethane	79-00-5	<820	820	mg/kg	11/08/2009



**EAG Workorder** 0910-00420

**EAG ID:** 0910-00420-009

**Client ID:** MAS-D041-L-01

**Client Project:** Meridian Auto Services SA

**Matrix:** Liquid

**Analyst** REC

**Date Sampled:** 10/29/2009

**Time Sampled:** 1425

**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Trichloroethene (Trichloroethylene)	79-01-6	<820	820	mg/kg	11/08/2009
Trichlorofluoromethane	75-69-4	<820	820	mg/kg	11/08/2009
1,2,3-Trichloropropane	96-18-4	<82000	82000	mg/kg	11/06/2009
1,1,2 Trichlorotrifluoroethane	76-13-1	<820	820	mg/kg	11/08/2009
1,2,4-Trimethylbenzene	95-63-6	<82000	82000	mg/kg	11/06/2009
Vinyl Acetate	108-05-4	<820	820	mg/kg	11/08/2009
Vinyl Chloride	75-01-4	<820	820	mg/kg	11/08/2009
Xylenes (Total)	1330-20-7	<170000	170000	mg/kg	11/06/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
4-Bromofluorobenzene	DIL	(76 - 119)
1,2-Dichloroethane-d4	DIL	(80 - 120)
Toluene-d8	DIL	(83 - 118)



EAG Workorder 0910-00420

EAG ID: 0910-00420-010

Client ID: MAS-T004-L-01

Client Project: Meridian Auto Services SA

Matrix: Liquid

Analyst REC

Date Sampled: 10/29/2009

Time Sampled: 1445

Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic TCLP: SW846-8260A					
Benzene	71-43-2	<0.10	0.10	mg/liter	11/06/2009
Carbon tetrachloride	56-23-5	<0.10	0.10	mg/liter	11/06/2009
Chlorobenzene	108-90-7	<0.10	0.10	mg/liter	11/06/2009
Chloroform	67-66-3	<0.10	0.10	mg/liter	11/06/2009
1,2-Dichloroethane	107-06-2	<0.10	0.10	mg/liter	11/06/2009
1,1-Dichloroethene	75-35-4	<0.10	0.10	mg/liter	11/06/2009
Methyl ethyl ketone(2-butanone)	78-93-3	<1.0	1.0	mg/liter	11/06/2009
Tetrachloroethylene	127-18-4	<0.10	0.10	mg/liter	11/06/2009
Trichloroethylene	79-01-6	<0.10	0.10	mg/liter	11/06/2009
Vinyl chloride	75-01-4	<0.10	0.10	mg/liter	11/06/2009
<u>Surrogate</u>	<u>Percent Recovery</u>		<u>Recovery Limits</u>		
1,2-Dichloroethane-d4	91.8		(80 - 117)		
Toluene-d8	114		(85 - 119)		
4-Bromofluorobenzene	91.4		(79 - 112)		



**EAG Workorder** 0910-00420  
**EAG ID:** 0910-00420-011  
**Client ID:** MAS-D047-L-01  
**Client Project:** Meridian Auto Services SA

**Matrix:** Liquid  
**Analyst** REC

**Date Sampled:** 10/29/2009  
**Time Sampled:** 1515  
**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic Compounds: SW846-8260A					
Acetone	67-64-1	<120	120	mg/kg	11/06/2009
Acrolein	107-02-8	<120	120	mg/kg	11/06/2009
Acrylonitrile	107-13-1	<120	120	mg/kg	11/06/2009
Benzene	71-43-2	<23	23	mg/kg	11/06/2009
Bromochloromethane	74-97-5	<23	23	mg/kg	11/06/2009
Bromodichloromethane	75-27-4	<23	23	mg/kg	11/06/2009
Bromoform	75-25-2	<23	23	mg/kg	11/06/2009
Bromomethane	74-83-9	<23	23	mg/kg	11/06/2009
Carbon disulfide	75-15-0	<23	23	mg/kg	11/06/2009
Carbon Tetrachloride	56-23-5	<23	23	mg/kg	11/06/2009
Chlorobenzene	108-90-7	<23	23	mg/kg	11/06/2009
Chloroethane	75-00-3	<23	23	mg/kg	11/06/2009
Chloroform	67-66-3	<23	23	mg/kg	11/06/2009
Chloromethane	74-87-3	<23	23	mg/kg	11/06/2009
Dibromochloromethane	124-48-1	<23	23	mg/kg	11/06/2009
1,1-Dichloroethane	75-34-3	<23	23	mg/kg	11/06/2009
1,2-Dichloroethane	107-06-2	<23	23	mg/kg	11/06/2009
1,1-Dichloroethene	75-35-4	<23	23	mg/kg	11/06/2009
1,2-Dichloropropane	78-87-5	<23	23	mg/kg	11/06/2009
cis-1,2-Dichloroethene	156-59-2	<23	23	mg/kg	11/06/2009
trans-1,2-Dichloroethene	156-60-5	<23	23	mg/kg	11/06/2009
cis-1,3-Dichloropropene	10061-01-5	<23	23	mg/kg	11/06/2009
trans-1,3-Dichloropropene	10061-02-6	<23	23	mg/kg	11/06/2009
Ethylbenzene	100-41-4	<23	23	mg/kg	11/06/2009
2-Hexanone (MBK)	591-78-6	<120	120	mg/kg	11/06/2009
n-Hexane	110-54-3	<23	23	mg/kg	11/06/2009
Methylene Chloride	75-09-2	<23	23	mg/kg	11/06/2009
Methyl Ethyl Ketone (2-butanone)	78-93-3	<120	120	mg/kg	11/06/2009
Methyl Methacrylate	80-62-6	<23	23	mg/kg	11/06/2009
4-Methyl-2-Pentanone	108-10-1	<120	120	mg/kg	11/06/2009
2-Nitropropane	79-46-9	<23	23	mg/kg	11/06/2009
Pentachloroethane	76-01-7	<23	23	mg/kg	11/06/2009
Propionitrile	107-12-0	<23	23	mg/kg	11/06/2009
<b>Styrene</b>	100-42-5	<b>170</b>	23	mg/kg	11/06/2009
1,1,1,2-Tetrachloroethane	630-20-6	<23	23	mg/kg	11/06/2009
1,1,2,2-Tetrachloroethane	79-34-5	<23	23	mg/kg	11/06/2009
Tetrachloroethene (Tetrachloroethylene)	127-18-4	<23	23	mg/kg	11/06/2009
Toluene	108-88-3	<23	23	mg/kg	11/06/2009
1,2,4-Trichlorobenzene	120-82-1	<23	23	mg/kg	11/06/2009
1,1,1-Trichloroethane	71-55-6	<23	23	mg/kg	11/06/2009
1,1,2-Trichloroethane	79-00-5	<23	23	mg/kg	11/06/2009



EAG Workorder 0910-00420

EAG ID: 0910-00420-011

Client ID: MAS-D047-L-01

Client Project: Meridian Auto Services SA

Matrix: Liquid

Analyst REC

Date Sampled: 10/29/2009

Time Sampled: 1515

Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Trichloroethene (Trichloroethylene)	79-01-6	<23	23	mg/kg	11/06/2009
Trichlorofluoromethane	75-69-4	<23	23	mg/kg	11/06/2009
1,2,3-Trichloropropane	96-18-4	<23	23	mg/kg	11/06/2009
1,1,2 Trichlorotrifluoroethane	76-13-1	<23	23	mg/kg	11/06/2009
1,2,4-Trimethylbenzene	95-63-6	<23	23	mg/kg	11/06/2009
Vinyl Acetate	108-05-4	<23	23	mg/kg	11/06/2009
Vinyl Chloride	75-01-4	<23	23	mg/kg	11/06/2009
Xylenes (Total)	1330-20-7	<47	47	mg/kg	11/06/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
4-Bromofluorobenzene	90.5	(76 - 119)
1,2-Dichloroethane-d4	99.6	(80 - 120)
Toluene-d8	119	(83 - 118)



**EAG Workorder** 0910-00420

**EAG ID:** 0910-00420-012

**Client ID:** MAS-S001-S-01-DP

**Client Project:** Meridian Auto Services SA

**Matrix:** Solid

**Analyst** REC

**Date Sampled:** 10/29/2009

**Time Sampled:** 1415

**Date Received:** 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic TCLP: SW846-8260A					
Benzene	71-43-2	<0.10	0.10	mg/liter	11/03/2009
Carbon tetrachloride	56-23-5	<0.10	0.10	mg/liter	11/03/2009
Chlorobenzene	108-90-7	<0.10	0.10	mg/liter	11/03/2009
Chloroform	67-66-3	<0.10	0.10	mg/liter	11/03/2009
1,2-Dichloroethane	107-06-2	<0.10	0.10	mg/liter	11/03/2009
1,1-Dichloroethene	75-35-4	<0.10	0.10	mg/liter	11/03/2009
Methyl ethyl ketone(2-butanone)	78-93-3	<1.0	1.0	mg/liter	11/03/2009
Tetrachloroethylene	127-18-4	<0.10	0.10	mg/liter	11/03/2009
Trichloroethylene	79-01-6	<0.10	0.10	mg/liter	11/03/2009
Vinyl chloride	75-01-4	<0.10	0.10	mg/liter	11/03/2009
<u>Surrogate</u>	<u>Percent Recovery</u>		<u>Recovery Limits</u>		
1,2-Dichloroethane-d4	95.0		(80 - 117)		
Toluene-d8	91.5		(85 - 119)		
4-Bromofluorobenzene	102		(79 - 112)		



EAG Workorder 0910-00420

EAG ID: 0910-00420-013

Client ID: MAS-S001-S-01

Client Project: Meridian Auto Services SA

Matrix: Solid

Analyst REC

Date Sampled: 10/29/2009

Time Sampled: 1415

Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic TCLP: SW846-8260A					
Benzene	71-43-2	<0.10	0.10	mg/liter	11/04/2009
Carbon tetrachloride	56-23-5	<0.10	0.10	mg/liter	11/04/2009
Chlorobenzene	108-90-7	<0.10	0.10	mg/liter	11/04/2009
Chloroform	67-66-3	<0.10	0.10	mg/liter	11/04/2009
1,2-Dichloroethane	107-06-2	<0.10	0.10	mg/liter	11/04/2009
1,1-Dichloroethene	75-35-4	<0.10	0.10	mg/liter	11/04/2009
Methyl ethyl ketone(2-butanone)	78-93-3	<1.0	1.0	mg/liter	11/04/2009
Tetrachloroethylene	127-18-4	<0.10	0.10	mg/liter	11/04/2009
Trichloroethylene	79-01-6	<0.10	0.10	mg/liter	11/04/2009
Vinyl chloride	75-01-4	<0.10	0.10	mg/liter	11/04/2009
<u>Surrogate</u>	<u>Percent Recovery</u>		<u>Recovery Limits</u>		
1,2-Dichloroethane-d4	92.3		(80 - 117)		
Toluene-d8	90.5		(85 - 119)		
4-Bromofluorobenzene	103		(79 - 112)		



EAG Workorder 0910-00420  
EAG ID: 0910-00420-014  
Client ID: MAS-D050-S-01-MS  
Client Project: Meridian Auto Services SA

Matrix: Solid  
Analyst REC

Date Sampled: 10/29/2009  
Time Sampled: 1520  
Date Received: 10/30/2009

<u>Parameter</u>	<u>CAS #</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Volatile Organic TCLP: SW846-8260A					
Benzene	71-43-2	<0.10	0.10	mg/liter	11/03/2009
Carbon tetrachloride	56-23-5	<0.10	0.10	mg/liter	11/03/2009
Chlorobenzene	108-90-7	<0.10	0.10	mg/liter	11/03/2009
Chloroform	67-66-3	<0.10	0.10	mg/liter	11/03/2009
1,2-Dichloroethane	107-06-2	<0.10	0.10	mg/liter	11/03/2009
1,1-Dichloroethene	75-35-4	<0.10	0.10	mg/liter	11/03/2009
Methyl ethyl ketone(2-butanone)	78-93-3	<1.0	1.0	mg/liter	11/03/2009
Tetrachloroethylene	127-18-4	<0.10	0.10	mg/liter	11/03/2009
Trichloroethylene	79-01-6	<0.10	0.10	mg/liter	11/03/2009
Vinyl chloride	75-01-4	<0.10	0.10	mg/liter	11/03/2009

Surrogate

1,2-Dichloroethane-d4  
Toluene-d8  
4-Bromofluorobenzene

Percent  
Recovery

84.0  
MI  
MI

Recovery  
Limits

(80 - 117)  
(85 - 119)  
(79 - 112)

24  
11/18/09

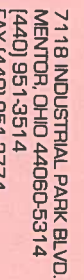


## 0910-00420

Listed below are the TCLP regulatory limits. If you have any questions regarding the results or the regulatory limits, please contact Client Services. Source: 40CFR 261.

<b>TCLP Metals:</b>	<b>mg/liter</b>	<b>TCLP Volatiles:</b>	<b>mg/liter</b>
Arsenic	5.0	Benzene	0.5
Barium	100.0	Carbontetrachloride	0.5
Cadmium	1.0	Chlorobenzene	100.0
Chromium	5.0	Chloroform	6.0
Lead	5.0	1,2-Dichloroethane	0.5
Mercury	0.2	1,1-Dichloroethene	0.7
Selenium	1.0	Methyl ethyl ketone	200.0
Silver	5.0	Tetrachloroethene	0.7
		Trichloroethene	0.5
		Vinyl Chloride	0.2
<b>TCLP Semi-volatiles:</b>	<b>mg/liter</b>	<b>TCLP Pesticides:</b>	<b>mg/liter</b>
1,4-Dichlorobenzene	7.5	Chlordane	0.03
2,4-Dinitrotoluene	0.13	Endrin	0.02
Hexachlorobenzene	0.13	Heptachlor	0.008
Hexachlorobutadiene	0.5	Heptachlor Epoxide	0.008
Hexachloroethane	3.0	Lindane	0.4
Nitrobenzene	2.0	Methoxychlor	10.0
Pyridine	5.0	Toxaphene	0.5
o-Cresol	200.0	<b>TCLP Herbicides:</b>	<b>mg/liter</b>
m-Cresol	200.0	2,4-D	10.0
p-Cresol	200.0	2,4,5-TP (Silvex)	1.0
Cresol (total)	200.0		
Pentachlorophenol	100.0		
2,4,5-Trichlorophenol	400.0		
2,4,6-Trichlorophenol	2.0		
<b>Characterization Parameters:</b>	<b>Acceptable limits</b>		
Corrosivity	2-12.5 pH units		
Flashpoint	>140 degrees F		
Ignitability (solid burn rate)	<2.2 mm/second		
Reactive Cyanide*	<250 mg/kg		
Reactive Sulfide*	<500 mg/kg		

\* EA Group uses the industry standard for the analysis of reactivity. However, the EPA has withdrawn guidance concerning this method. Further evaluation may be required to determine whether a waste is 'reactive'. The generator should contact the waste handler or the EPA for further guidance.



EAG WORK ORDER #

# EA GROUP

7118 INDUSTRIAL PARK BLVD.  
MENTOR, OHIO 44060-5314  
(440) 951-3514  
FAX (440) 951-3774  
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www.sagroup-dio.com  
customerservice@sagrouphio.com

# CHAIN OF CUSTODY

**PLEASE DO NOT SEPARATE FORMS**

PAGE 1 OF 2

[illegible]

7118 INDUSTRIAL PARK BLVD.

7116 INDUSTRIAL PARK BLV  
MENTOR OHIO 44060-5314

MENTOR, OHIO 4

(440) 331-3314  
FAX (440) 951-3774

1-800-875-3514

[www.eagroup-ohio.com](http://www.eagroup-ohio.com)

customer.service@esa.grupo.hio.com

# EA GROUP

# CHAIN OF CUSTODY

**PLEASE DO NOT SEPARATE FORMS**

EAG WORK ORDER #

920

PAGE 2 OF 2

Company Name <b>Destra Solutions, Inc.</b>		Report Address <b>6079 Eagle Rd, Bldg 2, Suite I</b>		City <b>Middleburg Hts</b>		State <b>OH</b>		Zip <b>44130</b>		Billing Address <b>25 N. Wacker Drive Suite 1210</b>		City <b>Chicago</b>		State <b>IL</b>		Zip <b>60606-2901</b>		Phone <b>773-202-2806</b>		Fax <b></b>		Matrix Key: <input type="checkbox"/> Water - W <input type="checkbox"/> Liquid - L <input type="checkbox"/> Solid/Soil - S <input type="checkbox"/> Sludge - SL <input type="checkbox"/> Other - Specify		TURNAROUND (1) <input type="checkbox"/> RUSH Target Date: _____		ANALYSIS REQUESTED		COOLER TEMP:			
Reprint Attention <b>Frank L. Bradley/Lisa Graczyk</b>		Project Name <b>Pyridium Add Service SA</b>		P.O. # Quote # <b>0068936</b>		SAMPLE IDENTIFICATION		MATRIX		COLLECTION TIME		COLLECTION DATE		Grab or Composite (G/C)		# of Containers		TCLP VOCs		TCLP Metals		Total PCBs		Flash pt.		pH		REMARKS: CONDITION, ETC....			
MAS-DO47-L-01		L		1515		10/24/09		G1		X																					
MAS-S001-S-01-DP		S		1415		11		G1		X																					
MAS-S001-S-01		S		1415		11		G1		X																					
MAS-DO50-S-01-MS		S		1520		11		G2		X																					

## WHITE - FILE

**YELLOW - INVOICE**

## PINK - REPORT

**GREEN - CUSTOMER**

Rev. 13 3/2006